GENERAL NOTES:

1. ANY REFERENCE TO A CODE OR STANDARD SHALL BE UNDERSTOOD TO REFER TO THE LATEST EDITION AND OR REVISION OF THAT CODE OR STANDARD UNLESS NOTED OTHERWISE.
2. ALL CONSTRUCTION AND DESIGN SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE 2012 WITH GEORGIA AMENDMENTS.
3. CONTRACTOR SHALL COORDINATE THE LOCATION OF DEPRESSED SLABS, FLOOR DRAIN SLOPES AND EQUIPMENT PADS PRIOR TO PLACING CONCRETE.
4. CONTRACTOR SHALL COORDINATE THE LOCATION OF MECHANICAL UNITS, ELECTRICAL FIXTURES, MECHANICAL DUCTS, DRAINS, PLUMBING EQUIPMENT AND PIPING, ETC., INCLUDING ELEVATORS AND ESCALATORS WITH ALL TRADES AFFECTED AND EQUIPMENT PURCHASED PRIOR TO PROCEEDING WITH STRUCTURAL WORK, MODIFICATIONS OR CHANGES AS A RESULT OF THIS COORDINATION SHALL BE CLEARLY DETAILED, NOTED AND SUBMITTED WITH SHOP DRAWINGS FOR REVIEW BY THE ENGINEER.
5. CONTRACTOR SHALL VERIFY THE TYPE, SIZE, LOCATION AND NUMBER OF OPENINGS, SLEEVES, CONDUITS, EMBEDDED ITEMS, UTILITY PIPES, ETC. PRIOR TO PLACING CONCRETE OR STARTING WALL CONSTRUCTION.
6. UNLESS OTHERWISE SHOWN ON PLANS, THE LOCATIONS OF CONSTRUCTION JOINTS ARE SUBJECT TO PRIOR APPROVAL BY THE ENGINEER.
7. CONSTRUCTION CLASSIFICATION TYPE II–B.
8. ⟷ –– INDICATES SPAN OF STEEL DECK AND/OR CONCRETE SLABS.
9. ABBREVIATIONS:

@	–	AT	HORIZ	–	HORIZONTAL
ø	–	DIAMETER	H.P.	–	HIGH POINT
#	–	NUMBER	H.S.	–	HEADED STUD
&	–	AND	H.W.S.	–	HEADED WELDED STUD
A.D.	–	AREA DRAIN	I.E.	–	FOR EXAMPLE
ADD'L	–	ADDITIONAL	INFO	–	INFORMATION
A.F.F.	–	ABOVE FINISHED FLOOR	INT	–	INTERIOR
ALT	–	ALTERNATE	L	–	ANGLE
ARCH	–	ARCHITECTURAL	L.L.H.	–	LONG LEG HORIZONTAL
BM	–	BEAM	L.L.V.	–	LONG LEG VERTICAL
BOT	–	BOTTOM	L.P.	–	LOW POINT
C.C.	–	CENTER TO CENTER	MAX	–	MAXIMUM
C.I.P.	–	CAST IN PLACE	MIN	–	MINIMUM
C.J.	–	CONSTRUCTION JOINT	N.I.C.	–	NOT IN CONTRACT
℄	–	CENTER LINE	NO.	–	NUMBER
CLR	–	CLEAR	N.S.	–	NEAR SIDE
C.M.U.	–	CONCRETE MASONRY UNIT	N.T.S.	–	NOT TO SCALE
COL	–	COLUMN	O.C.	–	ON CENTER
CONC	–	CONCRETE	O.H.	–	OPPOSITE HAND
CONT	–	CONTINUOUS OR CONTINUATION	OPP	–	OPPOSITE
D.B.A.	–	DEFORMED BAR ANCHOR	P.C.F.	–	POUNDS PER CUBIC FOOT
DIA	–	DIAMETER	P.J.F.	–	PREMOLDED JOINT FILLER
do	–	DITTO	ℙ	–	PLATE
DWG(S)	–	DRAWING OR DRAWINGS	PLBG	–	PLUMBING
(E)	–	EXISTING CONDITIONS	PSI	–	POUNDS PER SQUARE INCH
E.E.	–	EACH END	PSF	–	POUNDS PER SQUARE FOOT
EL	–	ELEVATION	R.D.	–	ROOF DRAIN
E.O.D.	–	EDGE OF DECK	REINF	–	REINFORCE OR REINFORCEMENT
E.O.S.	–	EDGE OF SLAB	SF	–	SQUARE FOOT
EQ	–	EQUAL	SIM	–	SIMILAR
E.W.	–	EACH WAY	S.O.G.	–	SLAB–ON–GRADE
EXP	–	EXPANSION	SPA	–	SPACE OR SPACED
EXT	–	EXTERIOR	STD	–	STANDARD
F.D.	–	FLOOR DRAIN	T/	–	TOP OF
F.S.	–	FAR SIDE	T/F	–	TOP OF FOOTING
FTG	–	FOOTING	T/W	–	TOP OF WALL
F.V.	–	FIELD VERIFY	TYP	–	TYPICAL
GALV	–	GALVANIZED	U.N.O.	–	UNLESS NOTED OTHERWISE
HA	–	HANGER	VERT	–	VERTICAL
H.C.A.	–	HEADED CONCRETE ANCHOR	W/	–	WITH
HK	–	HOOK	WWF	–	WELDED WIRE FABRIC

DESIGN LOADS:

1. DEAD LOADS:
   a. ELEVATED FLOORS:

SLABS	–– 39 PSF
MECHANICAL/ ELECTRICAL/ PLUMBING, TYPICAL	–– 8 PSF
CEILING/ FLOOR	–– 3 PSF
MISC.	–– 4 PSF

   b. ROOFS:

ROOF SYSTEM (INCLUDING ALLOWANCE FOR RE–ROOFING)	–– 7 PSF
MECHANICAL/ ELECTRICAL	–– 8 PSF
CEILING (AS APPLICABLE)	–– 3 PSF
DECK	–– 2 PSF
MISC.	–– 3 PSF

2. LIVE LOADS:
   a. FLOORS:

UPPER FLOORS, TYPICAL (INCLUDING PARTITIONS)	–– 70 PSF OR 2000 LB.
ELEVATOR AND STAIR LOBBIES	–– 100 PSF
STAIRS AND LANDINGS	–– 100 PSF
CORRIDORS, ABOVE FIRST FLOOR	–– 80 PSF
MECHANICAL ROOMS	–– 150 PSF
ELEVATOR MACHINE ROOMS	–– 150 PSF
ELEVATOR HOIST BEAM	–– 5 KIPS

   b. ROOFS: –– 20 PSF

3. WIND LOADS:

BASIC WIND SPEED	–– 115 MPH
EXPOSURE CATEGORY	–– C
INTERNAL PRESSURE COEFFICIENT	–– ± .18

4. SEISMIC LOADS:

SEISMIC USE GROUP	–– III
SHORT PERIOD ACC, S_{DS}	–– 14.0%g
1–SECOND PERIOD ACC, S_{D1}	–– 10.2%g
SITE CLASSIFICATION	–– C
IMPORTANCE FACTOR	–– 1.0
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE	
BASE SHEAR	–– 130 KIPS
SEISMIC DESIGN CATEGORY	–– B
BASIC SEISMIC FORCE RESISTING SYSTEM: STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE	
RESPONSE MODIFICATION FACTOR	–– 3

5. SNOW LOAD:

GROUND SNOW LOAD (Pg)	–– 5 PSF
IMPORTANCE FACTOR (I s)	–– 1.0

6. DEFLECTIONS:
   FLOOR LIVE LOAD DEFLECTION ≤ ℓ /360
   FLOOR LIVE + DEAD LOAD DEFLECTION ≤ ℓ /240
   ROOF LIVE LOAD DEFLECTION ≤ ℓ /360
   ROOF LIVE + DEAD LOAD DEFLECTION ≤ ℓ /240

MASONRY NOTES:

1. ALL CMU SHALL CONFORM TO ASTM C90, GRADE N, TYPE I: (NORMAL WEIGHT UNITS), AND CARRY AN U.L. CLASSIFICATION TO ACHIEVE HOURLY RATINGS AS INDICATED ON ARCH. DWGS.
2. MINIMUM COMPRESSIVE STRENGTH (f'c) AT 28 DAYS:
   TYPE N MORTAR PER ASTM C270 — 750 PSI
   TYPE S MORTAR PER ASTM C270 — 1800 PSI
   GROUT PER ASTM C476 — 3000 PSI
3. THE DESIGN COMPRESSIVE STRENGTH OF MASONRY (f'm) BASED ON THE COMPRESSIVE STRENGTH OF MASONRY UNITS AND MORTAR TO BE USED ARE AS FOLLOWS:
   CONCRETE MASONRY — f'm=1500 PSI
4. FOR ALL WALLS AS INDICATED ON THE STRUCTURAL DRAWINGS THE MORTAR SHALL BE "TYPE S BELOW GRADE AND TYPE N ABOVE GRADE" AND ONLY NORMAL WEIGHT UNITS SHALL BE USED IN BELOW GRADE APPLICATIONS.
5. ALL CELLS BELOW GRADE SHALL BE GROUTED SOLID.
6. ALL CELLS WITH VERTICAL REINFORCEMENT SHALL BE GROUTED SOLID. (PROVIDE 56 BAR DIAMETER LAPS AT ALL SPLICES). TYPICAL U.N.O.
7. PROVIDE HORIZONTAL TRUSS–TYPE JOINT REINFORCEMENT AT 16" O.C. TYPICALLY, U.N.O. & BOND BEAMS @ 8'–0"O.C. & AT TOP OF WALLS, U.N.O. JOINT REINFORCEMENT SHALL TERMINATE AT CONTROL JOINTS.
8. PROVIDE 1#5 VERT. AT LINTEL BEARINGS, WALL INTERSECTIONS, WALL CORNERS, END OF WALLS AND EACH SIDE OF CONTROL JOINTS (U.N.O.). FILL ALL CELLS BELOW LINTEL BEARINGS SOLIDLY WITH GROUT. ALL CELLS WITH VERTICAL REINFORCEMENT SHALL BE GROUTED SOLID.
9. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF CONTROL JOINTS AND FOR TOP OF WALL ELEVATIONS AND FOR LOCATION OF WALL EXPANSION JOINTS.
10. SEE 1/S7.0.1 FOR LINTEL SCHEDULE.
11. ALL MASONRY SHALL BE RUNNING BOND WITH VERTICAL JOINTS LOCATED AT CENTER OF UNITS IN THE ALTERNATE COURSE BELOW, TYPICAL UNLESS NOTED OTHERWISE.
12. USE LOW–LIFT GROUTING PROCEDURES ONLY. GROUT LIFTS SHALL NOT EXCEED 5'–0".
13. UNLESS NOTED OTHERWISE ON PLANS, ALL CMU SHALL BE REINFORCED AS FOLLOWS:
    8" INTERIOR WALLS – 1#5 VERT. @ 48" O.C. — 8" BOND BMS. 2#5 CONT.
    8" EXTERIOR WALLS – 1#5 VERT. @ 32" O.C. — 8" BOND BMS. 2#5 CONT.
14. SEE 13/S 5.0.1 FOR TYPICAL CMU WALL REINFORCEMENT.

STEEL NOTES:

1. ALL STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS – ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), 14TH EDITION.
2. UNLESS SHOWN OTHERWISE, ALL BEAM OR GIRDER CONNECTIONS SHALL BE FRAMED CONNECTIONS AS SHOWN IN PART 10 OF THE AISC "MANUAL OF STEEL CONSTRUCTION." THE DESIGN OF CONNECTIONS FOR ANY PART OF THE STRUCTURE NOT INDICATED ON THE DESIGN DRAWINGS SHALL BE COMPLETED BY THE FABRICATOR. UNLESS GREATER REACTIONS ARE INDICATED ON THE DESIGN DRAWINGS, THE CONNECTION AT EACH END OF THE MEMBER SHALL DEVELOP AT LEAST 70% OF THE TOTAL UNIFORM LOAD CAPACITY OF THE MEMBER OR A MINIMUM REACTION OF 6 KIPS, WHICHEVER IS GREATER, IN NO CASE SHALL THE LENGTH OF FRAMED CONNECTIONS BE LESS THAN ONE–HALF OF THE "T" DISTANCE OF THE MEMBER WEB. ALL STRUCTURAL STEEL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE DESIGNED BY THE CONTRACTOR UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA TO RESIST FORCES SPECIFIED. MINIMUM OF 2 BOLTS PER VERTICAL ROW ARE REQUIRED PER CONNECTION.
3. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
   W–SHAPES: ASTM A992; M–SHAPES, S–SHAPES AND HP–SHAPES: A36;
   CHANNELS: ASTM A36; ANGLES: ASTM A36, PLATES: ASTM A36, U.N.O.
4. WHERE FILLET WELDS ARE SHOWN, BUT NOT SIZED, MINIMUM SIZE OF FILLET WELDS CONFORMING TO THE AISC SPECIFICATIONS SHALL BE USED.
5. MATERIAL FOR NUTS AND WASHERS SHALL BE COMPATIBLE FOR BOLTS.
6. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE STRUCTURAL WELDING CODE – STEEL OF THE AMERICAN WELDING SOCIETY, AWS D1.1.
7. EXCEPT AS SHOWN OTHERWISE, STRUCTURAL DESIGN OF STEEL STAIRS SHALL BE PERFORMED BY THE STAIR FABRICATOR. DESIGN LIVE LOAD = 100 P.S.F.
8. ALL SHAPED HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500, GRADE B (Fy=46 KSI). ALL ROUND HSS SHALL CONFORM TO ASTM A500, GRADE B (Fy=42 KSI).
9. BOLTS FOR TYPICAL STRUCTURAL CONNECTIONS SHALL BE FULLY TIGHTENED HIGH STRENGTH ASTM A325 IN TYPE N BEARING TYPE CONNECTIONS.
10. ALL ANCHOR RODS SHALL CONFORM TO ASTM F 1554, GRADE 36.
11. ALL BEAMS SHALL HAVE NATURAL CAMBER UPWARD, UNLESS NOTED OTHERWISE. (C=1") –– INDICATES 1" OF POSITIVE CAMBER.
12. ALL TRUSSES AND BRACING CONNECTIONS SHALL BE DESIGNED AND DETAILED SO THAT ALL FORCE COMPONENTS ARE TRANSFERRED DIRECTLY TO THE CENTER LINES OF INTERSECTING MEMBERS. WHERE THIS IS NOT POSSIBLE, CONNECTIONS SHALL BE DESIGNED FOR ALL RESULTING ECCENTRICITIES.
13. ALL VERTICAL BRACING CONNECTION WELDS (BRACE TO GUSSET PLATE, GUSSET PLATE TO COLUMN AND PLATE TO PLATE) SHALL BE TESTED BY THE TESTING AGENCY.
14. ALL MOMENT CONNECTIONS SHALL DEVELOP THE FULL MOMENT CAPACITY OF THE BEAM OR GIRDER, UNLESS NOTED OTHERWISE.
15. PROVIDE ½" THICK WEB STIFFENERS IN BEAMS OVER ALL COLUMNS, TWO ON EACH SIDE IN LINE WITH COLUMN FLANGES.
16. PROVIDE ¼" CAP PLATE WELDED ALL AROUND AT ALL EXPOSED ENDS OF TUBULAR MEMBERS.
17. DO NOT USE CUTTING TORCHES FOR CORRECTING FABRICATION ERRORS IN STRUCTURAL FRAMING.
18. ALL CONTRACTOR FURNISHED DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL COMPLY WITH OSHA CONSTRUCTION SAFETY AND HEALTH STANDARDS, 29 CFR PART 1926, SUBPART R, STEEL ERECTION EFFECTIVE JANUARY 18, 2002.
19. PROVIDE TEMPORARY LATERAL BRACING OF STRUCTURAL FRAMING UNTIL ALL PERMANENT LATERAL BRACING AND DIAPHRAGMS (FLOOR SLABS AND ROOF DECK) ARE COMPLETELY INSTALLED. THE STRUCTURAL ELEMENTS ARE UNSTABLE UNTIL THE STRUCTURE IS COMPLETED IN ACCORDANCE WITH THE PLANS.
20. AFTER FIELD ERECTION, WELDING AND BOLTING, TOUCH–UP ALL DAMAGED OR ABRADED PAINT SURFACES INCLUDING CONNECTIONS, WELDS AND BOLTS IN ACCORD WITH THE SPECIFICATIONS.

FOUNDATION NOTES:

1. FOLLOWING COMPLETION OF FOUNDATION EXCAVATION, THE SUBGRADE SHALL BE INSPECTED BY THE GEOTECHNICAL TESTING AGENCY TO DETERMINE WHETHER OTHER SUBGRADE PREPARATIONS WILL BE REQUIRED.
2. BACKFILLING SHALL NOT BE PERFORMED WITHOUT ADEQUATE WALL BRACING, EXCEPT WHERE DIFFERENTIAL OF FILL ON EITHER SIDE OF A FOUNDATION WALL IS LESS THAN TWO FEET (2'–0") AND THE CONCRETE WALL HAS ATTAINED THE SPECIFIED STRENGTH, OR WITH AUTHORIZATION FROM THE ARCHITECT, OR AS NOTED BELOW.
3. FOR SUBGRADE PREPARATION, CONTRACTOR MUST PROVIDE GEOTECHNICAL ENGINEER'S CERTIFICATION THAT FINISHED FOUNDATION SUB–GRADES MEET BEARING CAPACITIES LISTED IN THIS DOCUMENT.
4. ALLOWABLE SOIL BEARING PRESSURE:

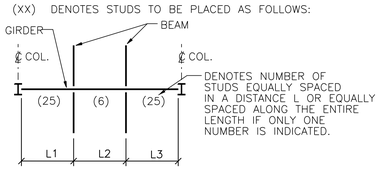
A.	AIR SIDE COLUMNS A–1 THRU A–14	–– 4000 PSF
B.	INTERIOR COLUMNS B–1 THRU B–14 & C–1 THRU C–14	–– 4000 PSF
C.	LANDSIDE COLUMNS D–3 THRU D–14	–– 6000 PSF
D.	COLUMN LINE 15	–– 3000 PSF
E.	LANDSLIDE COLUMNS D–1 & D–2	–– 4000 PSF
F.	ENTRANCE STRUCTURE COLUMNS	–– 4000 PSF

5. CONCRETE FOR WALL FOOTINGS SHALL BE PLACED IMMEDIATELY AFTER FINAL INSPECTION AND ACCEPTANCE BY THE OWNER'S TESTING AGENCY. IN NO CASE SHALL FOOTING EXCAVATIONS BE ALLOWED TO STAND OPEN OVERNIGHT OR DURING RAIN.
6. FOUNDATION DESIGN IS BASED ON THE FOLLOWING: MATERIALS MANAGERS & ENGINEERS, INC'S REPORT ENTITLED; "SUPPLEMENTARY GEOTECHNICAL EVALUATION REPORT SOUTH CARGO WAREHOUSE "C" ADDITION HARTSFIELD–JACKSON ATLANTA INTERNATIONAL AIRPORT (H–JAIA) ATLANTA, GEORGIA", 2M PROJECT NUMBER 13–008 DATED REVISED JUNE 18, 2013 AND C.O.F. ADDENDUM LETTER DATED OCTOBER 7, 2013.
7. RETAINING WALL DESIGN:
   - o EQUIVALENT FLUID PRESSURE – 60 PCF (AT REST)
   - o ALLOWABLE SOIL BEARING PRESSURE – 4000 PSF
   - o SOIL WEIGHT – 125 PCF
   - o COEFFICIENT OF FRICTION – 0.40
   - o SAFETY FACTOR FOR SLIDING – 1.5
   - o SAFETY FACTOR FOR OVERTURNING – 1.5
   - o COEFFICIENT OF PASSIVE PRESSURE – 3.5
   - o SURCHARGE – DL=50 PSF, LL=150 PSF
8. FILL PLACED BEHIND RETAINING AND BASEMENT WALLS SHALL BE COMPACTED USING LIGHT, MANUALLY GUIDED VIBRATORY SLEDS OR ROLLERS. HEAVY COMPACTORS & OTHER CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE WITHIN EIGHT FEET (8') OF THESE WALLS.
9. THE UPPER 12 INCHES OF SOILS IN THE FOOTING (COLUMN AND WALL) EXCAVATION BOTTOMS SHALL BE COMPACTED TO AT LEAST 95% MODIFIED PROCTOR.

STEEL DECK NOTES:

1. DESIGN, FABRICATION AND INSTALLATION OF ALL STEEL DECK SHALL BE IN ACCORD WITH STEEL DECK INSTITUTE (S.D.I.) "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS.
2. SEE SPECIFICATION FOR ATTACHMENT OF STEEL DECK TO STEEL SUPPORTS, UNLESS SHOWN OTHERWISE ON PLANS.
3. STUDS FOR COMPOSITE FLOOR SYSTEM SHALL BE ¾" DIAMETER WITH AN "AFTER WELD LENGTH OF 3" FOR 1½" DECK.
4. BEAMS AND GIRDERS:

(XX) DENOTES STUDS TO BE PLACED AS FOLLOWS:



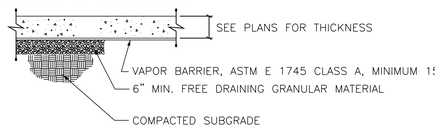
   b. STUDS SHALL BE PLACED DIRECTLY OVER BEAM WEB, WHERE ONLY ONE ROW OF STUDS IS REQUIRED. STUDS TO BE PLACED EQUALLY FROM EACH END TOWARD CENTER. WHERE MORE THAN ONE STUD PER RIB IS REQUIRED, INSTALL ONE STUD IN EVERY RIB AND PLACE REMAINDER OF STUDS IN RIBS STARTING AT EACH END OF BEAM.
5. MINIMUM SPACING OF STUDS IS AS FOLLOWS:
   4 ½ " –– PARALLEL TO BEAM
   3" –– TRANSVERSE TO BEAM
6. THE MAXIMUM CENTER–TO–CENTER SPACING OF SHEAR STUDS SHALL NOT EXCEED (a) 8 TIMES THE TOTAL SLAB THICKNESS, (b) 3'–0" O.C.
7. CONSTRUCTION JOINTS SHALL NOT BE PLACED ON BEAM CENTERLINES. CONSTRUCTION JOINTS SHALL BE PLACED AT MID–SPAN OF THE COMPOSITE DECK SPAN, UNLESS NOTED OTHERWISE, OR APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

CONCRETE NOTES:

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE (ACI) STANDARDS 301 AND 318.
2. ALL CONCRETE REINFORCEMENT SHALL BE DEFORMED GRADE 60, AND SHALL CONFORM TO ASTM A615.
3. NOT USED
4. REINFORCEMENT SHALL NOT BE FIELD CUT WITHOUT PRIOR APPROVAL OF THE ENGINEER.
5. REINFORCEMENT LARGER THAN A #4 BAR SHALL NOT BE FIELD BENT WITHOUT PRIOR APPROVAL OF THE ENGINEER.
6. WELDING OF ASTM A615 REINFORCEMENT SHALL NOT BE PERMITTED, EXCEPT AS AUTHORIZED IN WRITING BY THE ENGINEER. ALL DEFORMED BARS WELDED TO MILD STEEL, PLATES, ANGLES OR SHAPES SHALL BE DEFORMED BAR ANCHORS (D.B.A.) CONFORMING TO ASTM A615 AND SPECIFICALLY MANUFACTURED TO BE APPLIED BY THE ELECTRIC–ARC.
7. SPLICES OF REINFORCEMENT SHALL BE MADE ONLY AS REQUIRED OR AS PERMITTED ON THE STRUCTURAL DRAWINGS OR AS AUTHORIZED BY THE ARCHITECT. ALL SPLICES SHALL BE CLASS "B" AS DEFINED BY ACI 318, UNLESS NOTED OTHERWISE.
8. REINFORCING BAR HOOKS INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE STANDARD HOOKS AS DEFINED BY ACI 318, UNLESS NOTED OTHERWISE.
9. REINFORCEMENT IN SLABS OR WALLS MAY BE SHIFTED TO ALLOW FOR PLACEMENT OF INSERTS OR PENETRATIONS LESS THAN OR EQUAL TO SIX INCHES (6") IN SIZE, PROVIDED THAT MINIMUM CONCRETE COVER IS MAINTAINED.
10. OPENINGS IN SLABS ON GRADE SHALL HAVE 2 #4 PLACED ON EACH SIDE OF OPENING OR SLEEVE (MIN. 8 BARS PER OPENING OR SLEEVE). ALL BARS TO EXTEND 2'–0" (MIN.) BEYOND EACH END OF OPENING IN ALL DIRECTIONS.
11. NO ADJACENT FLOOR OPENINGS SHALL BE LESS THAN 6" APART FROM EACH OTHER, EDGE TO EDGE.
12. CONCRETE TYPE AND USE:

TYPE	28–DAY MINIMUM COMPRESSIVE STRENGTH	SLUMP RANGE	MAX. WATER/ CEMENT RATIO	MAXIMUM WEIGHT	AIR CONTENT
A	4000 PSI	4"±1"	0.45	150 PCF	4% ± 1%

13. TOLERANCES FOR FORMED SURFACES SHALL BE GOVERNED BY ACI 117.
14. BEFORE CONCRETE OPERATIONS BEGIN, REINFORCEMENT WHICH USES A MECHANICAL SPLICING DEVICE, SHALL BE INSPECTED BY THE TESTING AGENCY.
15. ALL SPLICING DEVICES SHALL DEVELOP 125% OF SPECIFIED YIELD STRENGTH (Fy) OF THE BAR.
16. ALL EXPOSED CONCRETE EDGES TO HAVE ¾" CHAMFER. EXCEPT AS SPECIFIED FOR ARCHITECTURAL CONCRETE.
17. NEW SLAB–ON–GRADE SUBBASE:



18. SEE DETAILS 9 AND 10 ON S5.0.1 FOR TYPICAL CONCRETE WALL REINFORCEMENT.

QUALITY/CONTROL, TESTING AND INSPECTIONS:

1. QUALITY CONTROL SUBMITTALS SHALL BE PROVIDED IN ACCORDANCE WITH THE SPECIFICATIONS.
2. QUALITY ASSURANCE INSPECTIONS AND MATERIAL TESTING SHALL BE PROVIDED BY A TESTING AGENCY. ENGAGEMENT SHALL BE BY THE OWNER (FOR A PORTION OF THE TESTING AND SPECIAL INSPECTIONS) AND THE ARCHITECT (FOR THE REMAINDER OF THE TESTING AND SPECIAL INSPECTIONS).

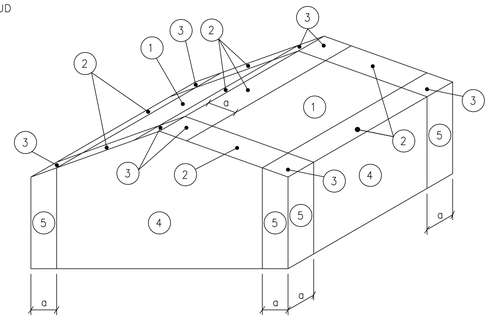
FLOOR TOLERANCES:

1. PROVIDE THE FOLLOWING FLOOR TOLERANCES AS MEASURED IN ACCORD WITH ASTM E 1155:
   a. TYPICAL SLAB–ON–GRADE: F_F =25; F_L =20 (FOR MINIMUM LOCAL AND OVERALL)
   b. WAREHOUSE SLAB–ON–GRADE: F_F =35; F_L =25 (FOR MINIMUM LOCAL AND OVERALL)
   c. ELEVATED FLOOR FRAMING: F_F =25 (FOR MINIMUM LOCAL AND OVERALL)

COMPONENTS AND CLADDING WIND LOADS:

1. POSITIVE SIGNS SIGNIFY PRESSURES ACTING TOWARD THE SURFACE, NEGATIVE SIGNS SIGNIFY PRESSURES ACTING AWAY FROM THE SURFACE.
2. CALCULATED WIND LOADS ARE BASED ON ASCE 7–10 REFERENCED BY THE INTERNATIONAL BUILDING CODE 2012. LINEAR INTERPOLATION IS PERMITTED FOR TRIBUTARY AREAS BETWEEN GIVEN VALUES.
3. "a" = 13.6"
4. FIGURE SHOWN IS ILLUSTRATIVE ONLY AND IS NOT INTENDED TO DEPICT THE ACTUAL STRUCTURAL DIMENSIONS.

ZONE	COMPONENTS AND CLADDING EFFECTIVE WIND AREA											
	10 SF		25 SF		50 SF		100 SF		200 SF		500 SF	
	+	–	+	–	+	–	+	–	+	–	+	–
1	13.4	33.0	12.3	31.9	11.5	31.1	10.6	30.2	––	––	––	––
2	13.4	55.4	12.3	47.6	11.5	41.7	10.6	35.8	––	––	––	––
3	13.4	83.4	12.3	64.5	11.5	50.2	10.6	35.8	––	––	––	––
4	30.2	32.7	––	––	27.1	29.6	––	––	24.4	27.0	22.7	25.2
5	30.2	40.3	––	––	27.1	34.1	––	––	24.4	28.7	22.7	25.2



STEEL JOIST NOTES:

1. ALL JOIST CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR STEEL JOISTS, AS ADOPTED BY THE STEEL JOIST INSTITUTE AND AISC.
2. JOISTS SHALL BE DESIGNED AND FABRICATED BY JOIST FABRICATOR ACCORDING TO THE STEEL JOIST INSTITUTE (S.J.I.) STANDARD SPECIFICATIONS.
3. ALL ROOF JOISTS SHALL HAVE ANGLE BOTTOM CHORDS AND SHALL BE DESIGNED FOR A NET UPLIFT EQUAL TO 5 PSF TYPICALLY IN ADDITION TO LOADS GIVEN HEREIN AND THE S.J.I. LOAD TABLES.
4. IN ADDITION TO LOADS SHOWN ON THE DRAWINGS AND THE S.J.I. LOAD TABLES, ALL MEMBERS SHALL BE DESIGNED FOR A SINGLE CONCENTRATED LOADS OF 300 LBS. PLACED AT ANY ONE PANEL ALONG THE BOTTOM CHORD, AND FOR A SINGLE CONCENTRATED LOAD OF 300 LBS. PLACED ANYWHERE ALONG THE TOP CHORD, THESE LOADS ARE TO ACT CONCURRENTLY. SEE DETAIL 2/S7.0.2 FOR REINF. WHEN LOAD DOES NOT OCCUR AT A PANEL POINT.
5. BEARING DEPTH SHALL BE 2½" FOR ALL K–SERIES JOISTS TYPICAL, U.N.O.
6. LIVE LOAD DEFLECTION SHALL BE LESS THAN OR EQUAL TO L/360.
7. BRIDGING FOR K–SERIES JOISTS SHALL BE DESIGNED AND SPACED BY THE JOIST FABRICATOR TO MEET S.J.I. REQUIREMENTS INCLUDING UPLIFT REQUIREMENTS.
8. BRIDGING MAY BE SHIFTED TO AID THE DESIGN FOR UPLIFT.
9. DIMENSIONS OF OPENINGS AND EQUIPMENT SUPPORTS ARE SHOWN FOR BID PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY THE DIMENSIONS WITH THE ACTUAL PURCHASED EQUIPMENT PRIOR TO FABRICATION, AND SHALL COORDINATE LOCATIONS OF MECHANICAL UNITS, HVAC DUCTS, PLUMBING, ELECTRICAL FIXTURES, CEILING ASSEMBLIES AND OTHER PURCHASED EQUIPMENT WITH THE VARIOUS TRADES BEFORE PROCEEDING WITH THE WORK. MODIFICATIONS AND CHANGES AS A RESULT OF THIS COORDINATION SHALL BE CLEARLY NOTED, DETAILED AND SUBMITTED FOR REVIEW ON THE SHOP DRAWINGS.
10. ALL STEEL JOIST CONNECTIONS WILL BE INSPECTED OR TESTED BY A QUALIFIED INDEPENDENT MATERIALS TESTING AGENCY IN ACCORD WITH THE SPECIFICATIONS. ALL FILLET WELDS SHALL BE VISUALLY INSPECTED USING ONLY AWS CERTIFIED WELDING INSPECTORS.
11. AFTER FIELD ERECTION, WELDING AND BOLTING, TOUCH–UP ALL DAMAGED PAINT SURFACES INCLUDING CONNECTIONS, WELDS AND BOLTS IN ACCORD WITH THE SPECIFICATIONS. CLEAN AREAS TO BE TOUCHED–UP IN ACCORD WITH SSPC–SP 2 OR SSPC–SP 3 PRIOR TO FIELD PAINTING.

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3601 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

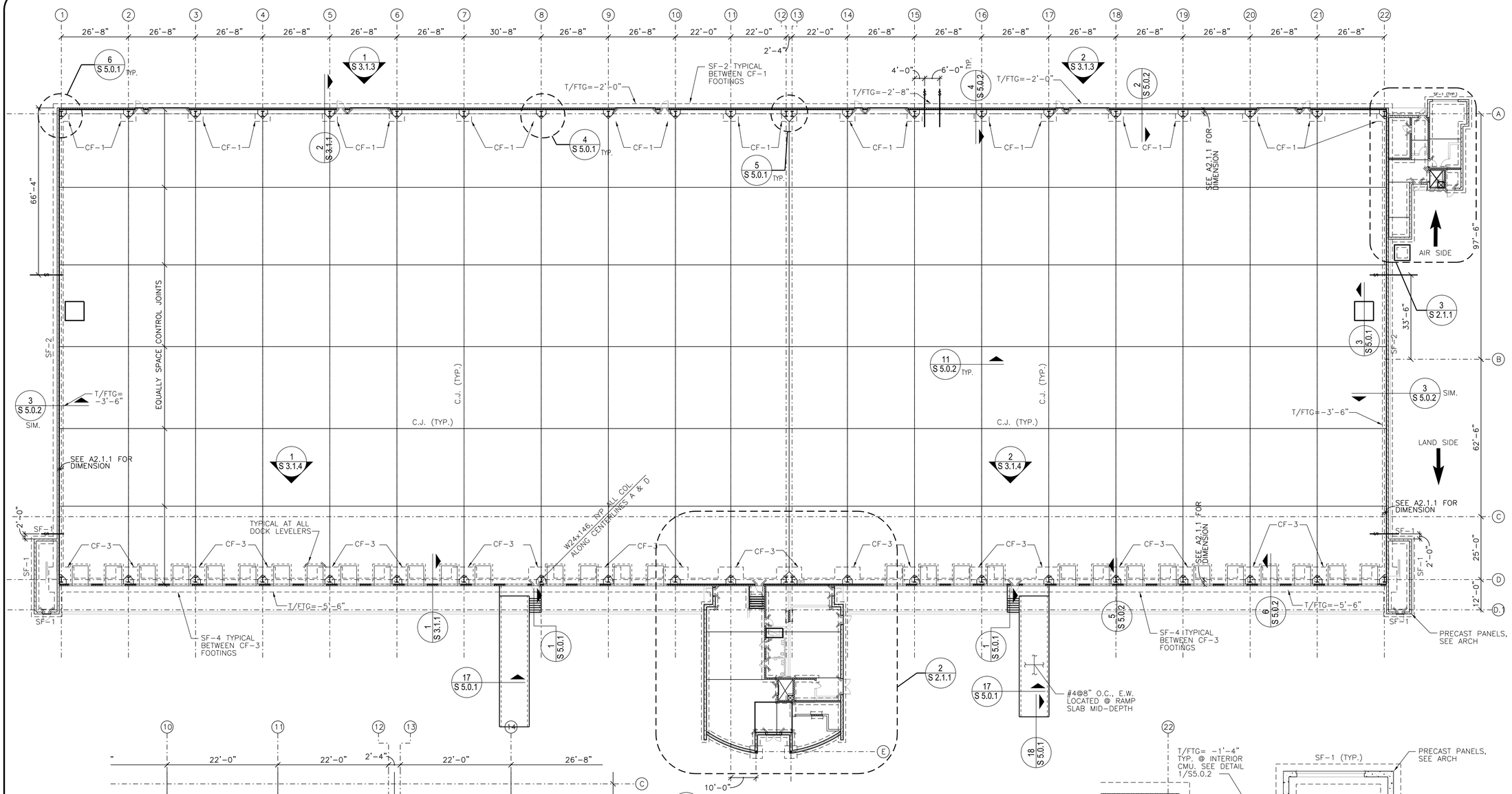
NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

STRUCTURAL - GENERAL NOTES & LEGEND

WBS NUMBER: D.07.55.009	DRAWN BY: CS
FC NUMBER: FC-6006007929-A	DESIGNED BY: MR
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: BP
	APPROVED BY: BP
	DATE: 11/25/2014
	SCALE:
SEAL	SHEET NO: **S 0.1.1**

NOT RELEASED FOR CONSTRUCTION



1 S 2.1.1 STRUCTURAL OVERALL PLAN

SCALE: 1/16"=1'-0"

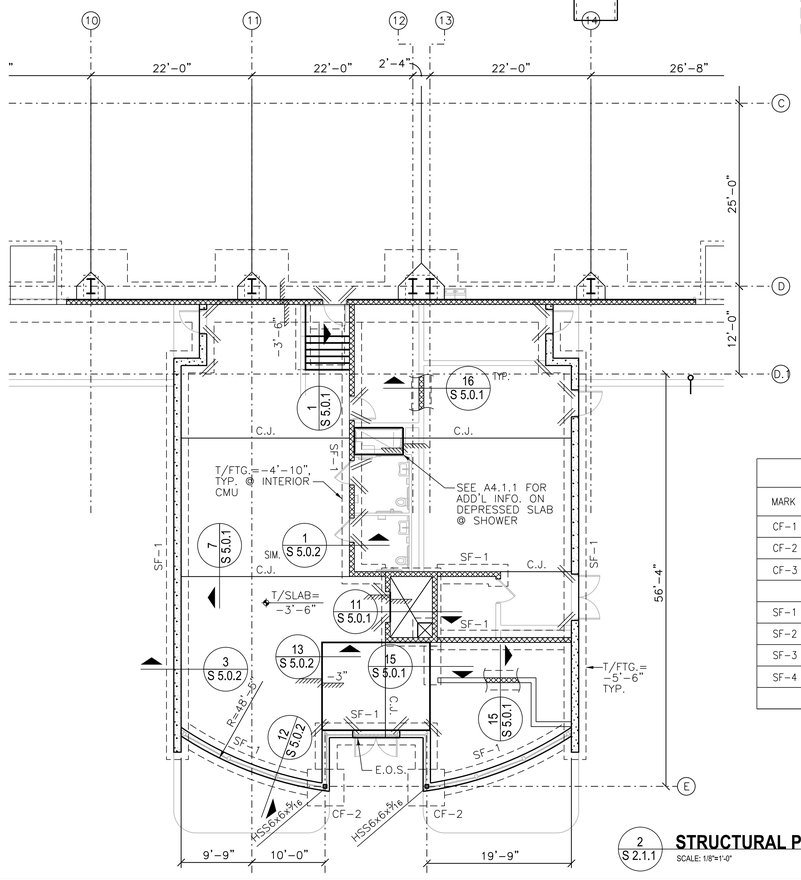
PLAN NOTES:

1. TOP OF CONCRETE SLAB ELEVATION = 986.1'. ALL OTHER ELEVATIONS GIVEN AS ± FROM THIS DATUM.
2. WAREHOUSE SLAB-ON-GRADE SHALL CONSIST OF 8" TYPE A CONCRETE. REINFORCE WITH SYNTHETIC MICRO FIBERS (2.25" LONG, DOSE RATE = 7.5 LBS PER CUBIC YARD). ALL OTHER SLABS-ON-GRADE SHALL CONSIST OF 6" TYPE A CONCRETE. REINFORCED WITH SYNTHETIC MICRO FIBERS (2.25" LONG, DOSE RATE = 4 LBS PER CUBIC YARD).
3. C.J. DENOTES FLOOR CONTROL JOINT., SEE 7/S5.0.1 FOR TYPICAL C.J. DETAIL AND 11/S5.02 FOR C.J. DETAIL IN WAREHOUSE.
5. T/EXTERIOR FOOTINGS = 1'-6" BELOW ADJACENT GRADE (MIN.), U.N.O..
   T/INTERIOR FOOTINGS = 1'-2" BELOW T/SLAB ELEVATION.
6. ⟵ INDICATES STEPPED FOOTING DETAIL, SEE 14/S5.01.
7. ═══ INDICATES 2- #4 x 4'-0" REINF. BARS LOCATED AT SLAB MID-DEPTH.
8. SEE ARCHITECTURAL FLOOR PLANS FOR INTERIOR AND EXTERIOR WALL DIMENSIONS.
9. ▨ INDICATES DEPRESSED SLAB. SEE 13/S 5.0.2. FOR STRUCTURAL DETAIL.

FOOTING SCHEDULE

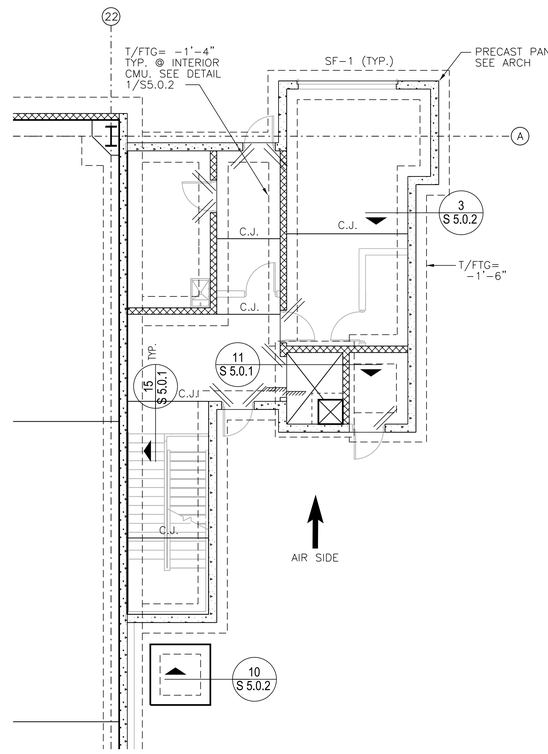
MARK	LENGTH (A)	WIDTH (B)	DEPTH (D)	BOT. REINF. EA. WAY U.N.O.	TOP REINF. EA. WAY U.N.O.	NOTES
CF-1	6'-0"	6'-0"	1'-8"	6 #6	———	
CF-2	4'-0"	4'-0"	1'-6"	6 #5	———	
CF-3	10'-0"	10'-0"	1'-6"	9 #9	9 #9	
SF-1	CONT.	4'-0"	1'-0"	#5 @12" O.C.		
SF-2	CONT.	4'-0"	1'-6"	#5@12" O.C.		
SF-3	NOT	USED				
SF-4	CONT.	5'-6"	1'-6"	#6@12" SHORT #4@12" LONG	#6@12" SHORT #4@12" LONG	DEVELOP LONG BARS INTO ADJACENT FOOTING

4 S 2.1.1 **FOOTING SCHEDULE**



2 S 2.1.1 **STRUCTURAL PARTIAL PLAN**

SCALE: 1/8"=1'-0"



3 S 2.1.1 **STRUCTURAL PARTIAL PLAN**

SCALE: 3/16"=1'-0"

NORTH

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3001 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

KEY MAP

NORTH

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

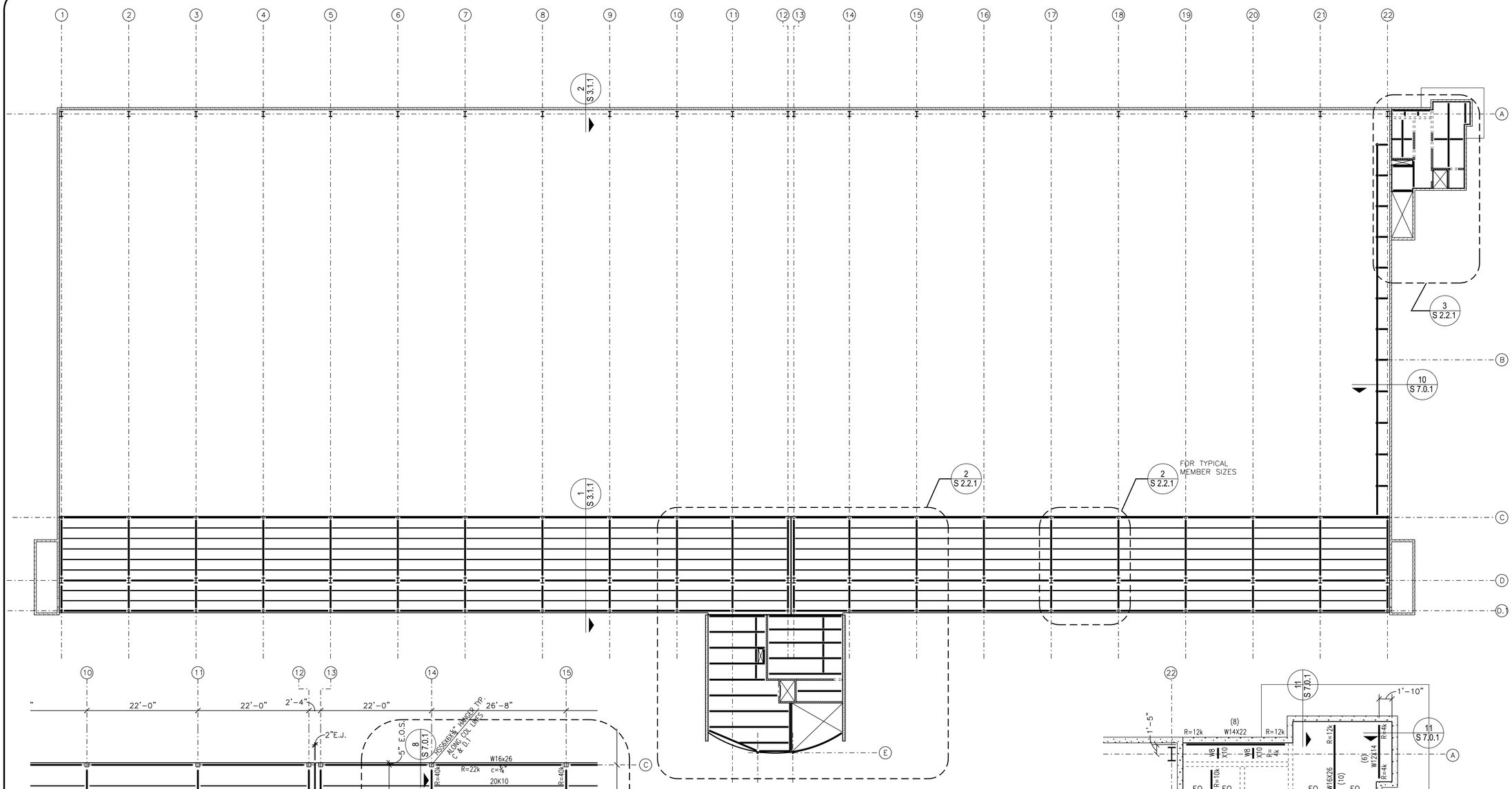
STRUCTURAL - OPERATIONS LEVEL FOUNDATION & SLAB-ON-GRADE PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: CS
FC NUMBER: FC-6006007929-A	DESIGNED BY: MR
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: BP
	APPROVED BY: BP
	DATE: 11/25/2014
	SCALE: AS NOTED
	SHEET NO: S 2.1.1

SEAL

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NOT RELEASED FOR CONSTRUCTION



1 S 2.2.1 STRUCTURAL OVERALL PLAN

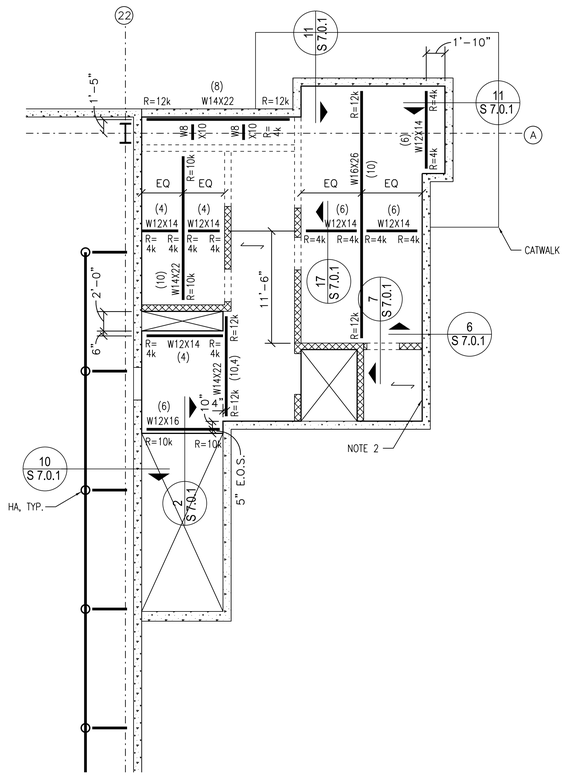
SCALE: 1/16"=1'-0"

PLAN NOTES:

1. TOP OF CONCRETE SLAB ELEVATION = +16'-0". ALL OTHER ELEVATIONS GIVEN AS ± FROM THIS DATUM.
2. DECK BEARING ELEVATION = (-4") FROM TOP OF CONCRETE SLAB. TYPICAL U.N.O.
3. FLOOR SYSTEM: 1½", 22 GAUGE GALVANIZED COMPOSITE STEEL DECK WITH 2½" REGULAR WEIGHT CONCRETE TOPPING (TYPE A) REINFORCED WITH #4@18" O.C., E.W. LOCATED ¾" CLEAR FROM TOP OF SLAB (TOTAL THICKNESS = 4") TYPICAL U.N.O. DECK ATTACHMENT: SUPPORT= 5/8" PUDDLE WELD ON 36/4 PATTERN SIDELAP= STITCH WELDS, 5 PER SPAN.
4. ⟷ INDICATES SPAN OF COMPOSITE DECK. SEE DRAWING S 0.1.1 FOR STEEL DECK NOTES.
5. FOR LIVE LOADS SEE DRAWING S 0.1.1.
6. R=xxk DENOTES SHEAR AT CONNECTION (KIPS IN SERVICE) TYPICAL AT EACH END, U.N.O.
7. SEE DETAIL 5/S 7.0.1 FOR SLAB PENETRATIONS <18".
8. SEE 2/S 2.2.1 FOR TYPICAL MEMBER SIZES FOR ALL MEZZ. BAYS.

2 S 2.2.1 STRUCTURAL PARTIAL PLAN

SCALE: 1/8"=1'-0"



3 S 2.2.1 STRUCTURAL PARTIAL PLAN

SCALE: 3/16"=1'-0"

NOTES:

1. ALL METAL DECK IN RAMP OPS SHALL BE 19 GAUGE GALVANIZED DECK. SEE PLAN NOTS FOR ADDITIONAL INFORMATION.
2. SEE DETAIL 6/S 7.0.1 FOR SLAB LOADING OF PRECAST.

NORTH

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

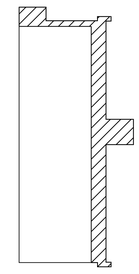
HSST

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3001 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935



KEY MAP

NORTH

NO.	DATE	BY	REVISION

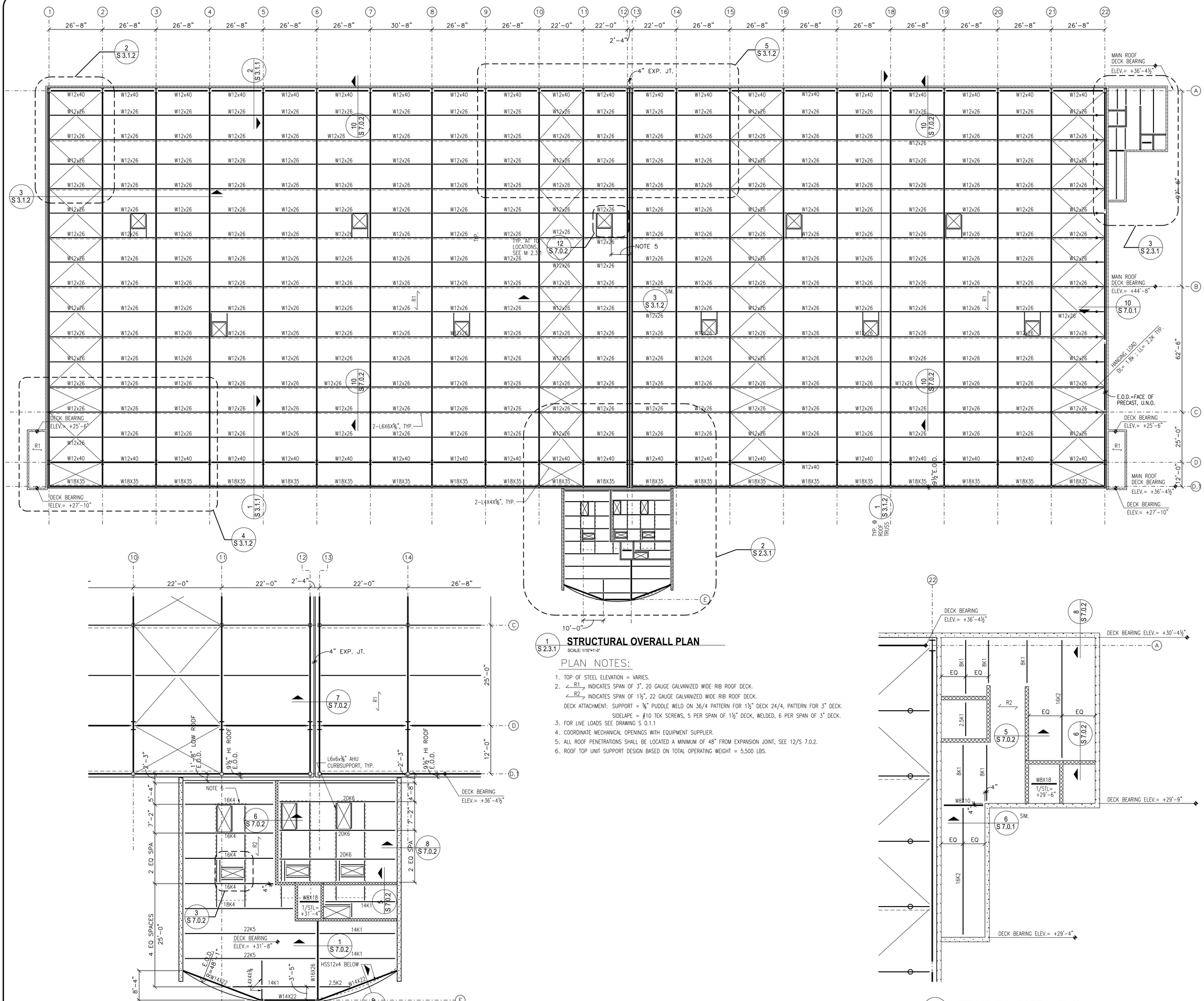
AIR CARGO BUILDING C

STRUCTURAL - OFFICE LEVEL FRAMING PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: CS
FC NUMBER: FC-6006007929-A	DESIGNED BY: MR
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: BP
	APPROVED BY: BP
	DATE: 11/25/2014
	SCALE: AS NOTED
SEAL	SHEET NO: **S 2.2.1**

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NOT RELEASED FOR CONSTRUCTION

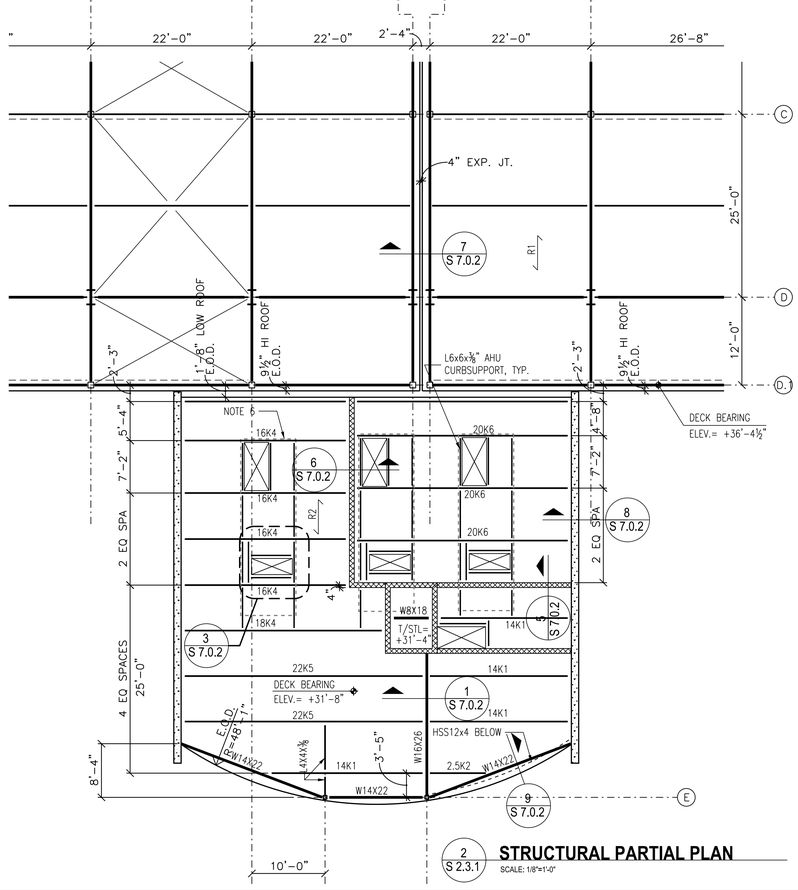


1 S 2.3.1 STRUCTURAL OVERALL PLAN

SCALE: 1/16"=1'-0"

PLAN NOTES:

1. TOP OF STEEL ELEVATION = VARIES.
2. R1 INDICATES SPAN OF 3", 20 GAUGE GALVANIZED WIDE RIB ROOF DECK.
   R2 INDICATES SPAN OF 1½", 22 GAUGE GALVANIZED WIDE RIB ROOF DECK.
   DECK ATTACHMENT: SUPPORT = ⅝" PUDDLE WELD ON 36/4 PATTERN FOR 1½" DECK 24/4, PATTERN FOR 3" DECK.
   SIDELAPE = #10 TEK SCREWS, 5 PER SPAN OF 1½" DECK, WELDED, 6 PER SPAN OF 3" DECK.
3. FOR LIVE LOADS SEE DRAWING S 0.1.1
4. COORDINATE MECHANICAL OPENINGS WITH EQUIPMENT SUPPLIER.
5. ALL ROOF PENETRATIONS SHALL BE LOCATED A MINIMUM OF 48" FROM EXPANSION JOINT, SEE 12/S 7.0.2.
6. ROOF TOP UNIT SUPPORT DESIGN BASED ON TOTAL OPERATING WEIGHT = 5,500 LBS.



2 S 2.3.1 STRUCTURAL PARTIAL PLAN

SCALE: 1/8"=1'-0"

3 S 2.3.1 STRUCTURAL PARTIAL PLAN

SCALE: 3/16"=1'-0"

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3001 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

KEY MAP

NORTH

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

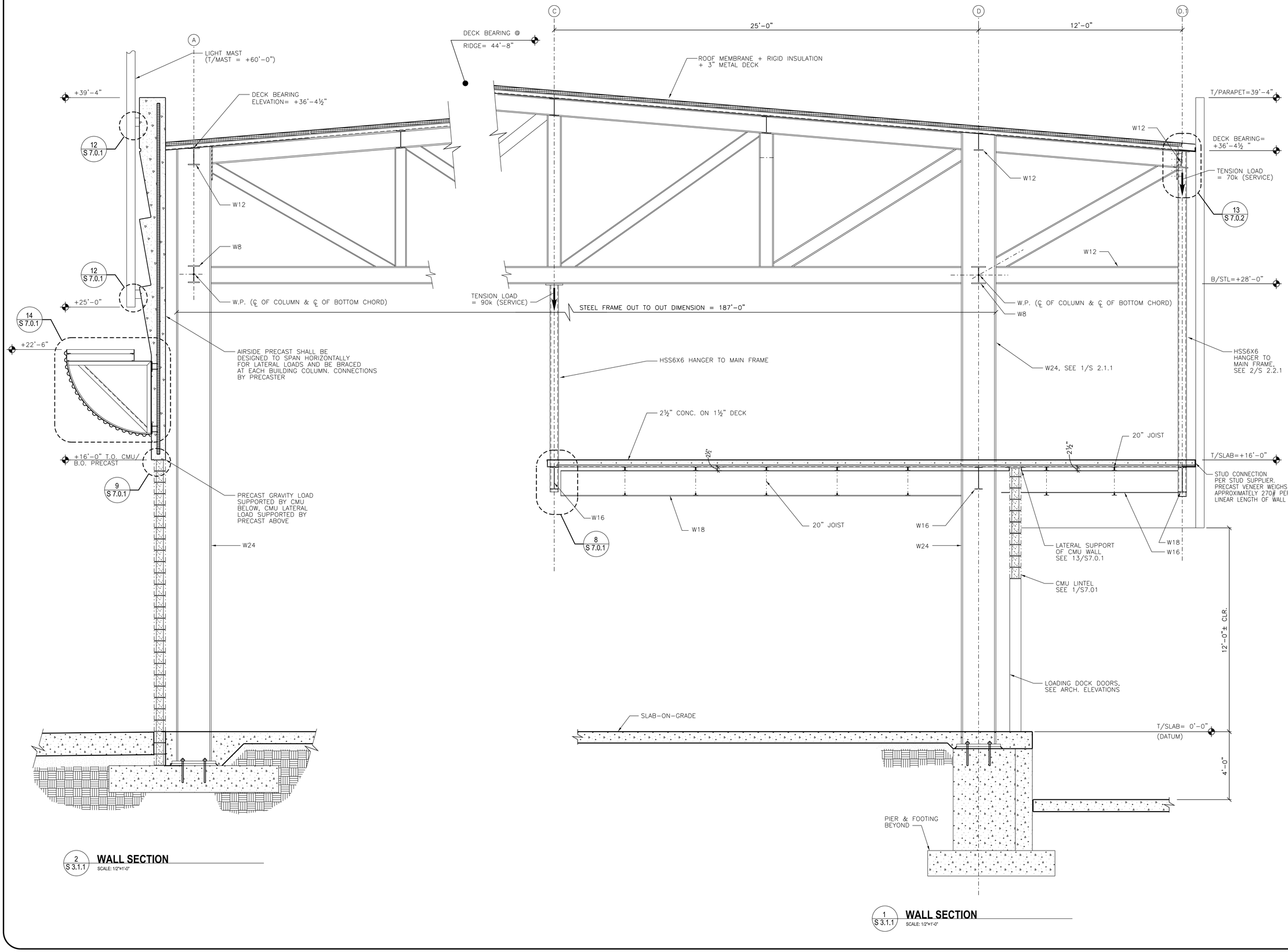
STRUCTURAL - ROOF LEVEL FRAMING PLAN

WBS NUMBER: D.07.55.009	DRAWN BY: CS
FC NUMBER: FC-6006007929-A	DESIGNED BY: MR
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: BP
	APPROVED BY: BP
	DATE: 11/25/2014
	SCALE: AS NOTED
	SHEET NO: S 2.3.1

SEAL

NOT RELEASED FOR CONSTRUCTION

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014



2 / S 3.1.1 **WALL SECTION**
SCALE: 1/2"=1'-0"

1 / S 3.1.1 **WALL SECTION**
SCALE: 1/2"=1'-0"

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson
Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC. 999
PEACHTREE STREET, NE
ATLANTA, GA 30309
PHONE: 404.419.9190
FAX: 404.946.2017

MATRIX 3D
44 BROAD STREET
ATLANTA, GA 30303
PHONE:404.522.3001
FAX: 404.522.3823

STEVENS & WILKINSON, INC.
100 PEACHTREE STREET NW, SUITE 2500
ATLANTA, GA 30303
PHONE: 404.522.8888
FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI)
2470 SANDY PLAINS ROAD
MARIETTA, GA 30066
PHONE: 770.321.3936
FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

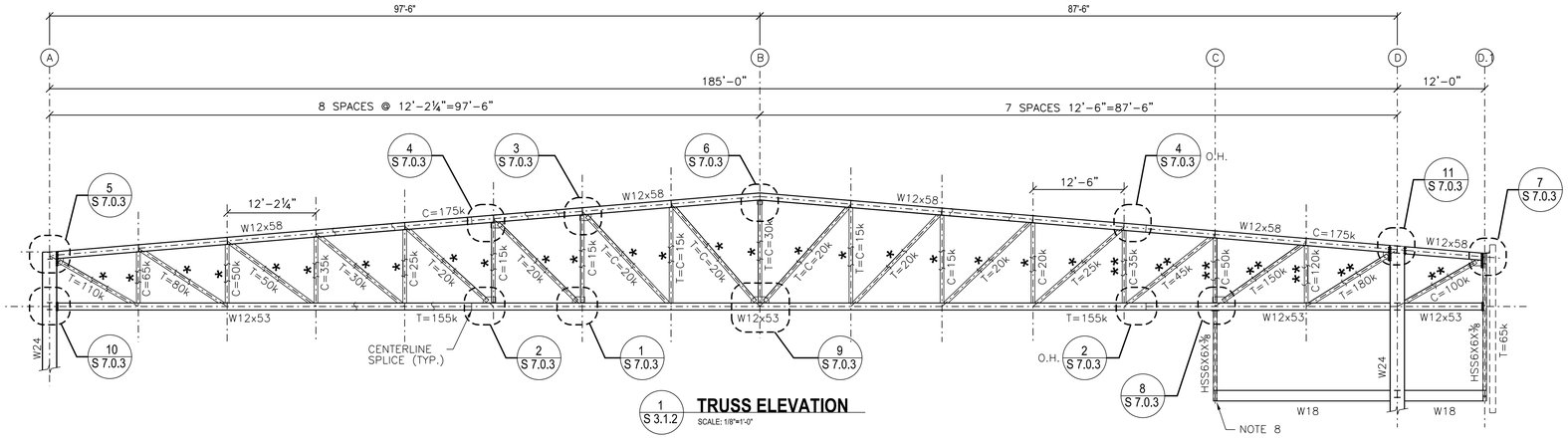
AIR CARGO BUILDING C

STRUCTURAL - WALL SECTIONS WAREHOUSE

WBS NUMBER: D.07.55.009	DRAWN BY: CS
FC NUMBER: FC-6006007929-A	DESIGNED BY: MR
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: BP
	APPROVED BY: BP
	DATE: 11/25/2014
	SCALE: AS NOTED
	SHEET NO: S 3.1.1

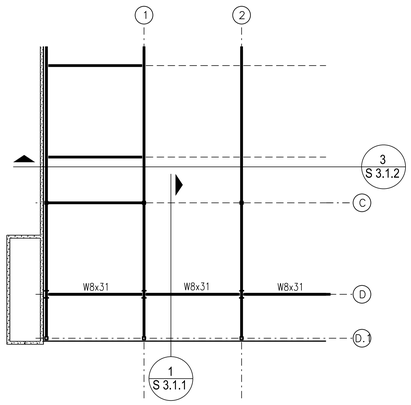
SEAL

NOT RELEASED FOR CONSTRUCTION

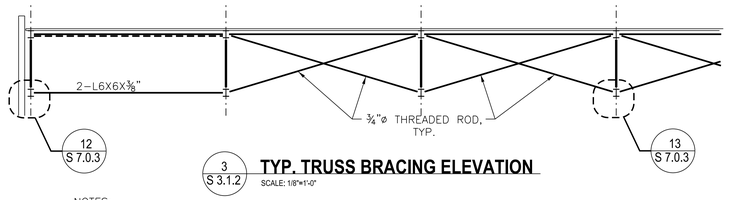


1 S 3.1.2 **TRUSS ELEVATION**
SCALE: 1/8"=1'-0"

NOTES:
1. CAMBER 3" AT RIDGE LINE.
2. ★ INDICATES 2–L5x5x⅜.
3. ★★ INDICATES 2–L6x6x½.
4. ALL TRUSS SPLICES SHALL BE FULL PENETRATION WELD SPLICES.
5. ALL GUSSET PLATES TO BE ONE THICKNESS.
6. SPACING BETWEEN DOUBLE ANGLES TO MATCH GUSSET PLATES.
7. PROVIDE SPACERS BETWEEN ANGLES @ 1/4 POINTS.
8. CAMBER @ MEZZANINE DEPENDENT ON CONSTRUCTION SEQUENCE. DETAILER TO COORDINATE WITH CONTRACTOR AND STRUCTURAL ENGINEER OF RECORD.
9. LAST DIAGONAL WEB MEMBER @ EACH END OF TRUSS AND @ SPLICE LOCATIONS TO BE SHIPPED LOOSE AND WELDED ON SITE.
10. ALL CONNECTIONS TO BUILDING COLUMNS SHALL BE DESIGNED WITH AN ADDITIONAL 10k OF VERTICAL LOAD.

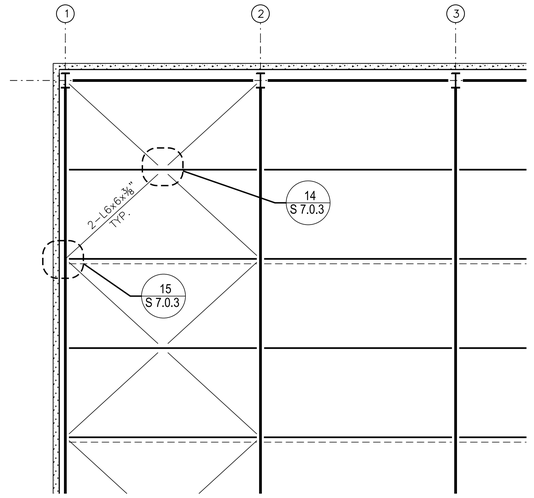


4 S 3.1.2 **BOTTOM CHORD PART PLAN**
SCALE: 1/16"=1'-0"



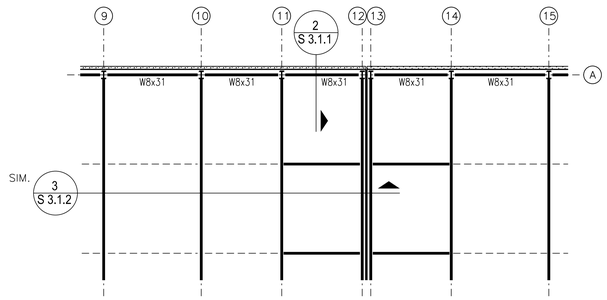
3 S 3.1.2 **TYP. TRUSS BRACING ELEVATION**
SCALE: 1/8"=1'-0"

NOTES:
1. THREADED ROD CROSS BRACING TO OCCUR AT EVERY OTHER TRUSS PANEL POINT (MAX SPACING = 25'–0").
2. ALL GUSSET PLATES TO BE ONE THICKNESS.
3. SPACING BETWEEN DOUBLE ANGLES TO MATCH GUSSET PLATES.
4. PROVIDE SPACERS BETWEEN ANGLES @ 1/4 POINTS.



2 S 3.1.2 **TRUSS BRACING PART PLAN**
SCALE: 1/8"=1'-0"

NOTES:
1. ALL GUSSET PLATES TO BE ONE THICKNESS.
2. SPACING BETWEEN DOUBLE ANGLES TO MATCH GUSSET PLATES.
3. PROVIDE SPACERS BETWEEN ANGLES @ 1/4 POINTS AND MIDPOINT.



5 S 3.1.2 **BOTTOM CHORD PART PLAN**
SCALE: 1/16"=1'-0"

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3001 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8254

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

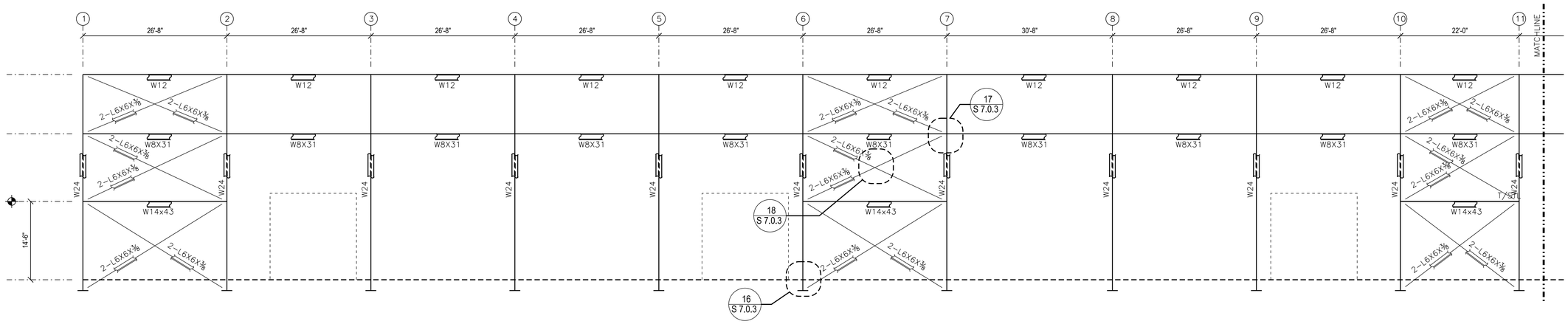
NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

STRUCTURAL - TRUSS ELEVATION

WBS NUMBER: D.07.55.009	DRAWN BY: CS
FC NUMBER: FC-6006007929-A	DESIGNED BY: MR
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: BP
	APPROVED BY: BP
	DATE: 11/25/2014
	SCALE: AS NOTED
SEAL	SHEET NO: **S 3.1.2**

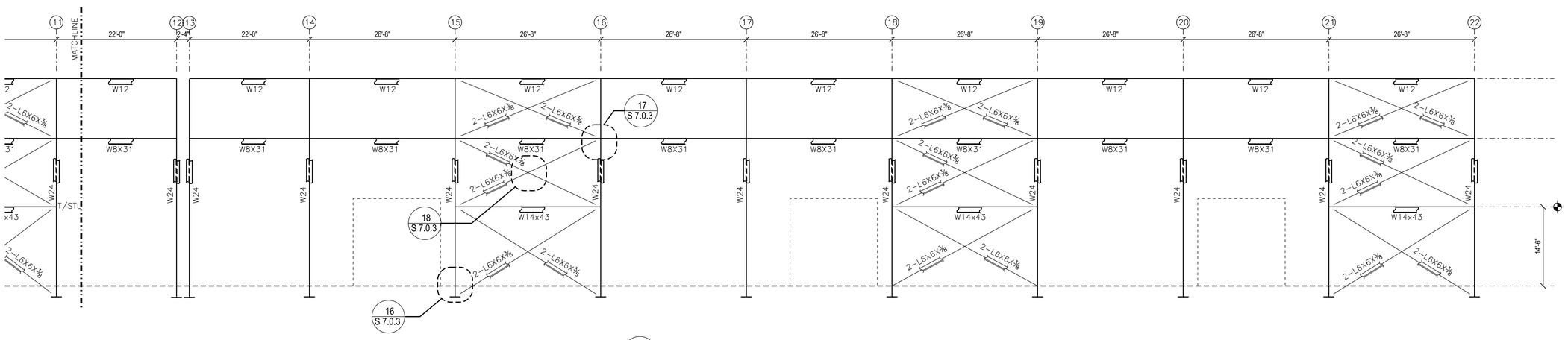
NOT RELEASED FOR CONSTRUCTION



1 / S 3.1.3 **FRAME ELEVATION ALONG COLUMN LINE A - SOUTH END**

SCALE: 1/8"=1'-0"

NOTES:
1. ALL BRACING & BRACING CONNECTIONS DESIGN TO RESIST AN AXIAL FORCE OF T=C=15k (SERVICE).
2. ALL GUSSET PLATES TO BE ONE THICKNESS.
3. SPACING BETWEEN DOUBLE ANGLES TO MATCH GUSSET PLATES.
4. PROVIDE SPACERS BETWEEN ANGLES @ 1/4 POINTS.



2 / S 3.1.3 **FRAME ELEVATION ALONG COLUMN LINE A - NORTH END**

SCALE: 1/8"=1'-0"

NOTE:
1. SEE 1/S 3.1.3 FOR ADDITIONAL INFORMATION.

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson
Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC. 999
PEACHTREE STREET, NE
ATLANTA, GA 30309
PHONE: 404.419.9190
FAX: 404.946.2017

MATRIX 3D
44 BROAD STREET
ATLANTA, GA 30303
PHONE:404.522.3001
FAX: 404.522.3823

STEVENS & WILKINSON, INC.
100 PEACHTREE STREET NW, SUITE 2500
ATLANTA, GA 30303
PHONE: 404.522.8888
FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI)
2470 SANDY PLAINS ROAD
MARIETTA, GA 30066
PHONE: 770.321.3936
FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

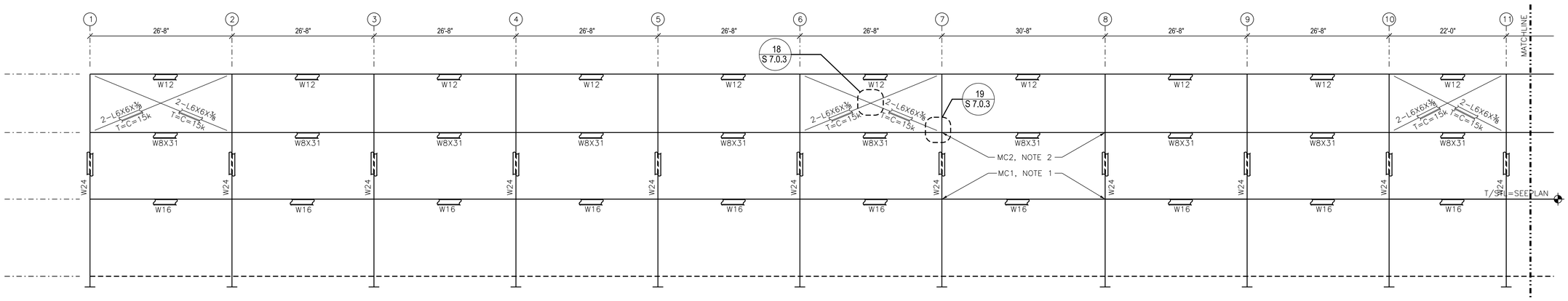
AIR CARGO BUILDING C

STRUCTURAL - FRAME ELEVATIONS

WBS NUMBER: D.07.55.009	DRAWN BY: CS
FC NUMBER: FC-6006007929-A	DESIGNED BY: MR
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: BP
	APPROVED BY: BP
	DATE: 11/25/2014
	SCALE: AS NOTED
	SHEET NO: S 3.1.3

SEAL

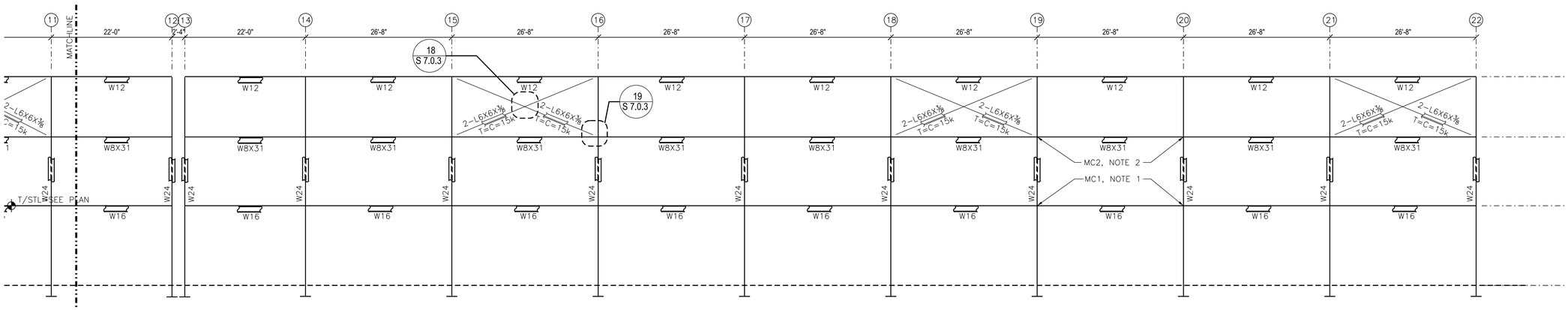
NOT RELEASED FOR CONSTRUCTION



1 / S 3.1.4 **FRAME ELEVATION ALONG COLUMN LINE D - SOUTH END**

SCALE: 1/8"=1'-0"

NOTES:
1. MC1 = ALL CONNECTIONS AT THIS LEVEL SHALL BE MOMENT CONNECTIONS, M=±60 FT/KIPS (SERVICE).
2. MC2 = ALL CONNECTIONS AT THIS LEVEL SHALL BE MOMENT CONNECTIONS, M=±20 FT/KIPS (SERVICE).
3. ALL GUSSET PLATES TO BE ONE THICKNESS.
4. SPACING BETWEEN DOUBLE ANGLES TO MATCH GUSSET PLATES.
5. PROVIDE SPACERS BETWEEN ANGLES @ 1/4 POINTS.



2 / S 3.1.4 **FRAME ELEVATION ALONG COLUMN LINE D - NORTH END**

SCALE: 1/8"=1'-0"

NOTE:
1. SEE 1/S 3.1.3 FOR ADDITIONAL INFORMATION.

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson
Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3001 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

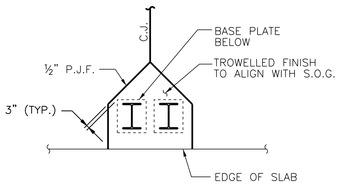
NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

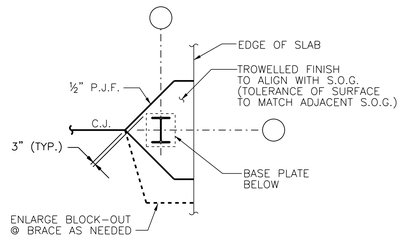
STRUCTURAL - FRAME ELEVATIONS

WBS NUMBER: D.07.55.009	DRAWN BY: CS
FC NUMBER: FC-6006007929-A	DESIGNED BY: MR
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: BP
	APPROVED BY: BP
	DATE: 11/25/2014
	SCALE: AS NOTED
SEAL	SHEET NO: **S 3.1.4**

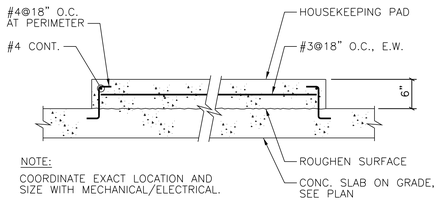
NOT RELEASED FOR CONSTRUCTION



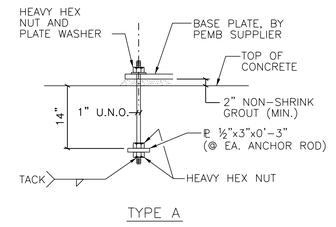
5 S 5.0.1 **TYP. DOUBLE COLUMN ISOLATION JOINT DETAIL**
NOT TO SCALE



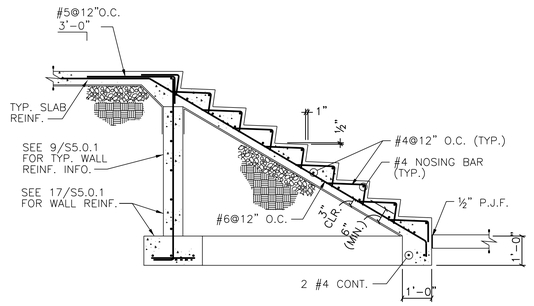
4 S 5.0.1 **TYP. EXTERIOR ISOLATION JOINT DETAIL AT STEEL COLUMN**
NOT TO SCALE



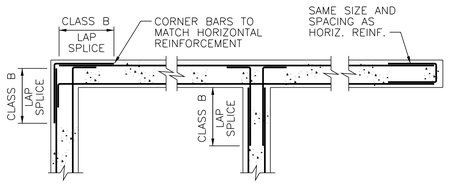
3 S 5.0.1 **HOUSEKEEPING PAD ON S.O.G.**
NOT TO SCALE



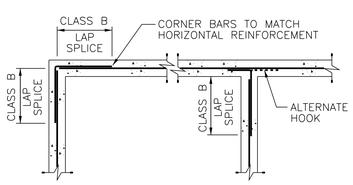
2 S 5.0.1 **TYP. ANCHOR ROD DETAIL**
NOT TO SCALE
NOTES:
1. ALL ANCHOR RODS SHALL CONFORM TO ASTM A1554, GRADE 36, U.N.O.



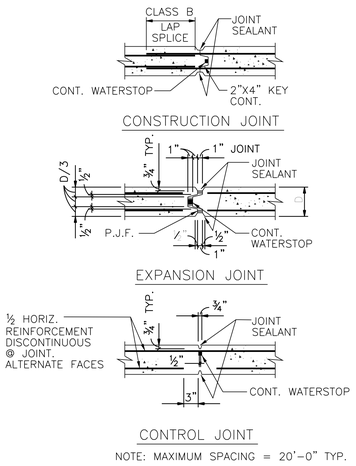
1 S 5.0.1 **LOADING DOCK STAIR SECTION**
NOT TO SCALE
NOTE:
1. COORDINATE NUMBER OF TREADS AND RISERS W/ ARCH. DRAWINGS.



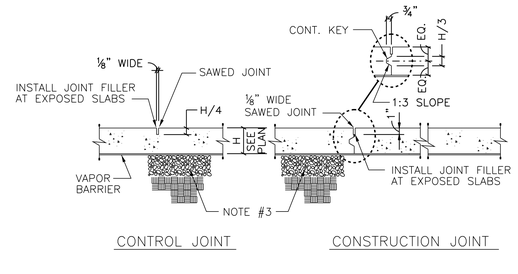
10 S 5.0.1 **TYP. WALL REINFORCING (2 LAYERS)**
NOT TO SCALE
NOTES:
1. FOR WALL REINFORCEMENT, SEE SECTIONS AND DETAILS.
2. VERTICAL REINFORCEMENT NOT SHOWN.



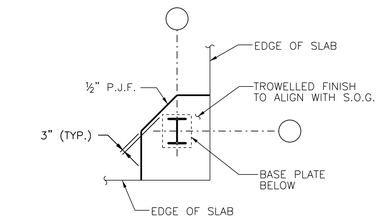
9 S 5.0.1 **TYP. WALL REINFORCING (1 LAYER)**
NOT TO SCALE
NOTES:
1. FOR WALL REINFORCEMENT, SEE SECTIONS AND DETAILS.
2. VERTICAL REINFORCEMENT NOT SHOWN.



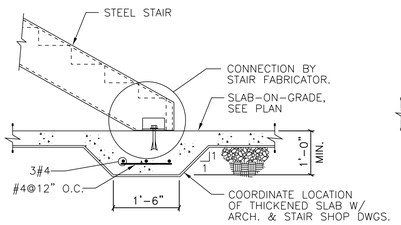
8 S 5.0.1 **TYPICAL VERTICAL C.I.P. WALL JOINTS**
NOT TO SCALE
NOTES:
1. ALL VERTICAL WALL REINFORCEMENT NOT SHOWN FOR CLARITY.
2. SEE SPECIFICATIONS (033000) FOR WATERSTOP INFORMATION.



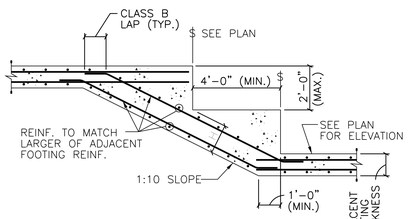
7 S 5.0.1 **TYPICAL SLAB-ON-GRADE JOINTS**
NOT TO SCALE
NOTES:
1. INDICATED ON PLANS BY C.J.
2. CONSTRUCTION JOINTS MAY BE USED IN LIEU OF CONTROL JOINTS.
3. SUB-BASE: MINIMUM OF 6" OF CLEAN (LESS THAN 6% PASSING A NO. 200 SIEVE) GRANULAR MATERIAL.



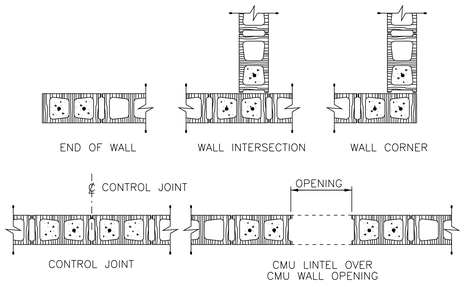
6 S 5.0.1 **TYP. CORNER ISOLATION JOINT DETAIL**
NOT TO SCALE



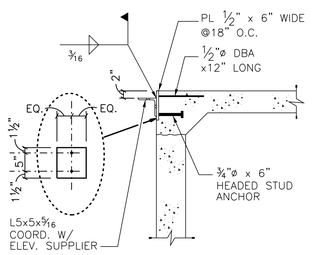
15 S 5.0.1 **STAIR CONNECTION TO SLAB DETAIL**
NOT TO SCALE



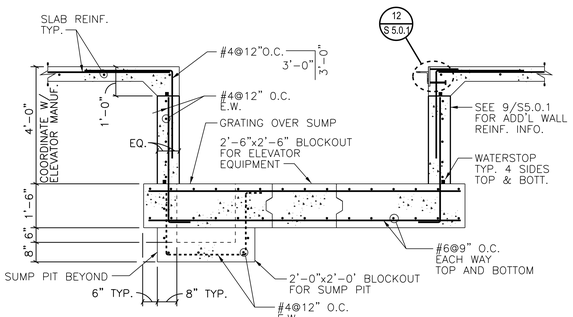
14 S 5.0.1 **SECTION - STEPPED FOOTING**
NOT TO SCALE
INDICATED ON PLAN BY THE SYMBOL ⟋



13 S 5.0.1 **TYP. CMU WALL REINFORCING DETAIL**
NOT TO SCALE
NOTES:
1. ALL REINFORCING BARS SHOWN ARE #5 BARS FOR INTERIOR AND EXTERIOR WALLS IN ADDITION TO THAT SHOWN ON OTHER WALL SECTIONS.



12 S 5.0.1 **SECTION - SUPPORT FOR ELEVATOR DOOR @ PIT**
NOT TO SCALE



11 S 5.0.1 **ELEVATOR PIT SECTION**
NOT TO SCALE

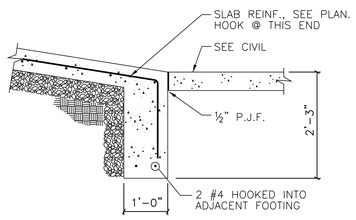
MINIMUM REINFORCING TENSION DEVELOPMENT LENGTH SCHEDULE (f'c = 3000 PSI)		
BAR SIZE	TOP BARS	OTHER BARS
#3	1'-10"	1'-5"
#4	2'-5"	1'-10"
#5	3'-0"	2'-4"
#6	3'-7"	2'-9"
#7	5'-3"	4'-0"
#8	6'-0"	4'-7"
#9	6'-9"	5'-2"
#10	7'-7"	5'-10"
#11	8'-5"	7'-6"

MINIMUM REINFORCING TENSION DEVELOPMENT LENGTH SCHEDULE (f'c = 4000 PSI)		
BAR SIZE	TOP BARS	OTHER BARS
#3	1'-7"	1'-3"
#4	2'-1"	1'-7"
#5	2'-7"	2'-0"
#6	3'-1"	2'-5"
#7	4'-6"	3'-6"
#8	5'-2"	4'-0"
#9	5'-10"	4'-6"
#10	6'-7"	5'-1"
#11	7'-3"	5'-7"

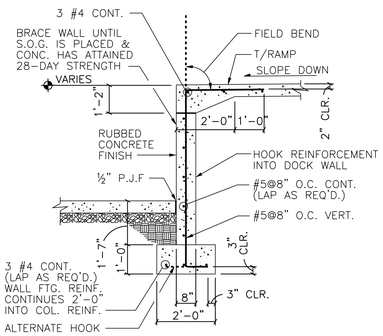
MINIMUM REINFORCING LAP SPLICE LENGTH SCHEDULE (f'c = 3000 PSI)		
BAR SIZE	TOP BARS	OTHER BARS
#3	2'-4"	1'-10"
#4	3'-1"	2'-5"
#5	3'-11"	3'-0"
#6	4'-8"	3'-7"
#7	6'-9"	5'-3"
#8	7'-9"	6'-0"
#9	8'-9"	6'-9"
#10	9'-10"	7'-7"
#11	10'-11"	8'-5"

MINIMUM REINFORCING LAP SPLICE LENGTH SCHEDULE (f'c = 4000 PSI)		
BAR SIZE	TOP BARS	OTHER BARS
#3	2'-0"	1'-7"
#4	2'-8"	2'-1"
#5	3'-4"	2'-7"
#6	4'-0"	3'-1"
#7	5'-10"	4'-6"
#8	6'-8"	5'-2"
#9	7'-7"	5'-10"
#10	8'-6"	6'-7"
#11	9'-5"	7'-3"

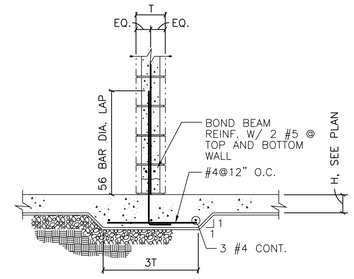
16 S 5.0.1 **REINFORCING DEVELOPMENT AND LAP LENGTH SCHEDULES**



18 S 5.0.1 **RAMP TERMINATION SECTION**
NOT TO SCALE



17 S 5.0.1 **RAMP SECTION**
NOT TO SCALE



16 S 5.0.1 **TYP. THICKENED SLAB @ CMU WALL**
NOT TO SCALE

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3801 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

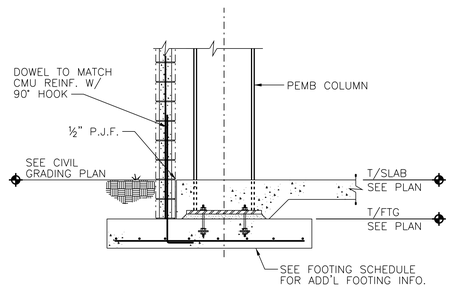
NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

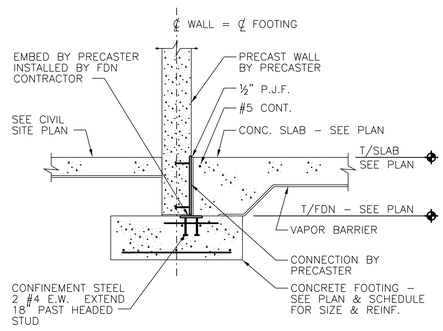
STRUCTURAL - SECTIONS AND DETAILS

WBS NUMBER: D.07.55.009	DRAWN BY: CS
FC NUMBER: FC-6006007929-A	DESIGNED BY: MR
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: BP
	APPROVED BY: BP
	DATE: 11/25/2014
	SCALE: AS NOTED
SEAL	SHEET NO: **S 5.0.1**

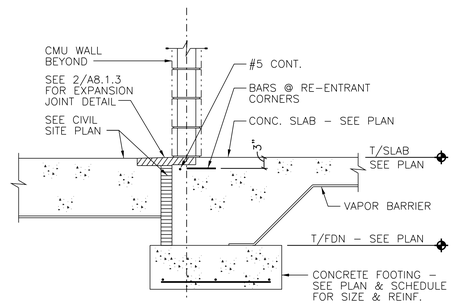
NOT RELEASED FOR CONSTRUCTION



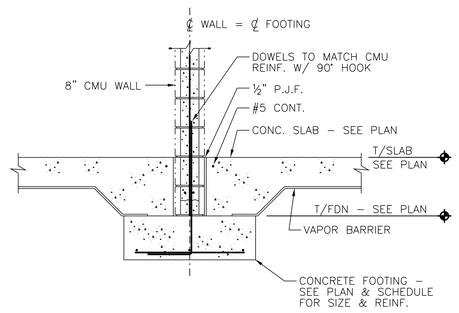
4 S 5.0.2 **AIRSIDE FOUNDATION DETAIL**
SCALE: 1/2"=1'-0"



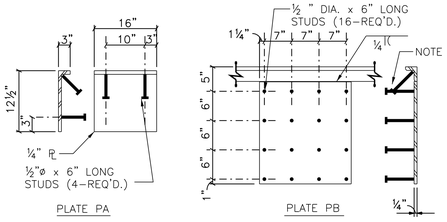
3 S 5.0.2 **CONT. FOOTING DETAIL @ EXTERIOR PRECAST WALL**
SCALE: 3/4"=1'-0"



2 S 5.0.2 **CONT. FOOTING DETAIL @ AIRSIDE DOOR**
SCALE: 3/4"=1'-0"

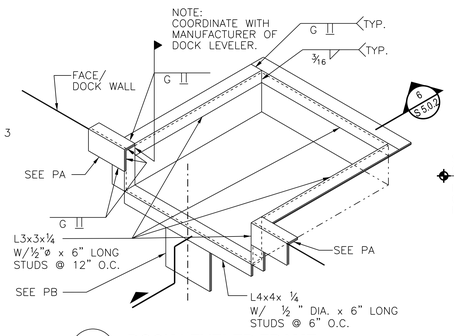


1 S 5.0.2 **CONT. FOOTING DETAIL @ LOAD BEARING CMU WALL**
SCALE: 3/4"=1'-0"



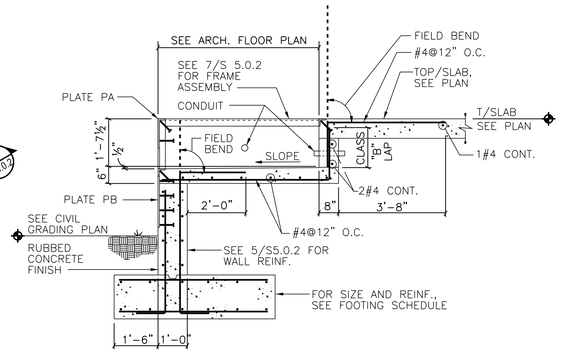
8 S 5.0.2 **DOCK LEVELER PLATE DETAIL**
NOT TO SCALE

NOTES:
1. ALL ANGLES AND PLATES SHALL BE GALVANIZED.
2. COORDINATE WITH MANUFACTURER OF DOCK LEVELER.
3. 1½" MIN. CLEARANCE BETWEEN STUDS.



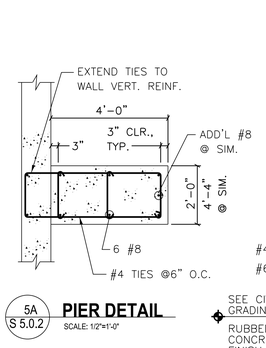
7 S 5.0.2 **DOCK LEVELER FRAME ASSEMBLY DETAIL**
NOT TO SCALE

NOTE:
REFER TO DETAIL 8/S 5.0.2 FOR PLATE DETAILS PA & PB. COORDINATE FRAME ASSEMBLY REQUIREMENTS W/ DOCK LEVELER SUPPLIER.

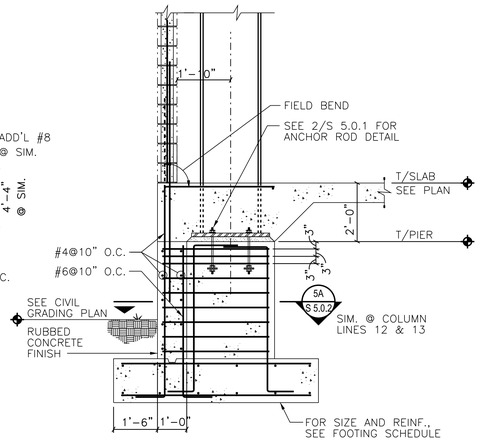


6 S 5.0.2 **SECTION @ DOCK LEVELER**
NOT TO SCALE

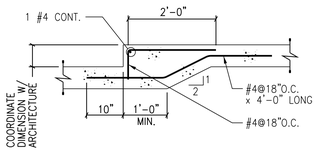
NOTES:
1. SIZE OF DOCK LEVELER IS BASED ON MINIMUM CAPACITY.
2. COORDINATE WITH MANUFACTURER OF DOCK LEVELER.
3. COORDINATE EMBEDDED CONDUIT WITH ELECTRICAL DWGS.
4. SEE DETAIL 5/S5.02 FOR WALL REINFORCEMENT.



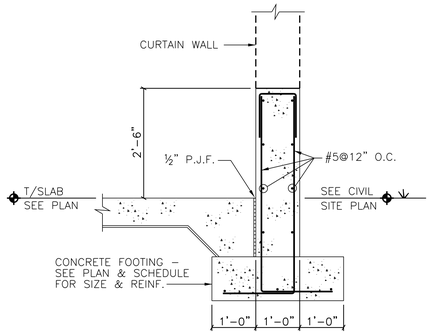
5A S 5.0.2 **PIER DETAIL**
SCALE: 1/2"=1'-0"



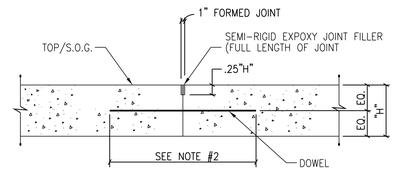
5 S 5.0.2 **LOADING DOCK @ COLUMN**
SCALE: 1/2"=1'-0"



13 S 5.0.2 **TYPICAL DEPRESSED SLAB**
SCALE: 3/4"=1'-0"

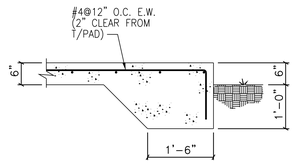


12 S 5.0.2 **CUSTOMER SERVICE KNEE WALL DETAIL**
SCALE: 3/4"=1'-0"

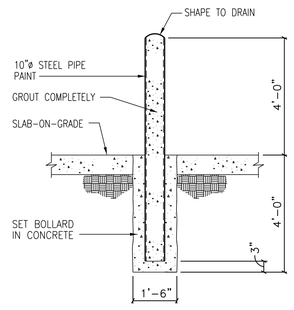


11 S 5.0.2 **TYPICAL HEAVY SLAB CONTROL JOINT**
NOT TO SCALE

NOTES:
1. INDICATED ON PLAN BY C.J.
2. DOWELS: 1" DIAMETER x 18" LONG @ 12" O.C.
   DOWELS SHALL BE SMOOTH AND MEET ASTM A36. SAW CUT ENDS AND REMOVE BURRS.
   DOWELS SHALL BE SUPPORTED IN "DOWEL BASKETS" SO THAT THEY ARE PARALLEL AND LEVEL. PREVENT "DOWEL BASKETS" FROM MOVING DURING CONCRETE OPERATIONS.
   COMPLETELY GREASE BOTH ENDS OF DOWEL TO ALLOW FOR HORIZONTAL MOVEMENT.
3. PROTECT JOINT DURING CONSTRUCTION. CLEAN JOINT OF LAITTANCE, DEBRIS AND CURING COMPOUND AND PROVIDE SEMI–RIGID EPOXY JOINT FILLER (BASIS OF DESIGN: METZGER/McGUIRE'S MM–80).



10 S 5.0.2 **EXTERIOR ON-GRADE EQUIPMENT PAD**
SCALE: 3/4"=1'-0"



9 S 5.0.2 **BOLLARD DETAIL**
SCALE: 1/2"=1'-0"

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3801 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8254

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

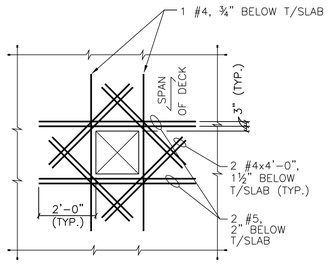
NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

STRUCTURAL - SECTIONS AND DETAILS

WBS NUMBER: D.07.55.009	DRAWN BY: CS
FC NUMBER: FC-6006007929-A	DESIGNED BY: MR
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: BP
	APPROVED BY: BP
	DATE: 11/25/2014
	SCALE: AS NOTED
SEAL	SHEET NO: S 5.0.2

NOT RELEASED FOR CONSTRUCTION

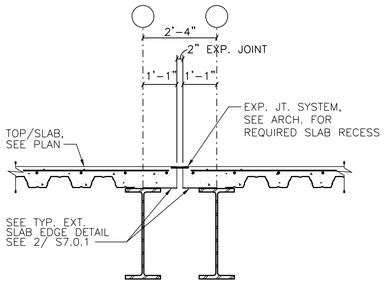


5 S 7.0.1 TYPICAL OPENING IN SLAB ON COMPOSITE DECK

NOT TO SCALE

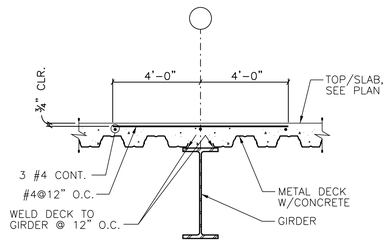
NOTE:

1. MAX. SIZE OF OPENING ≤18"x18" OR 18" DIA. COMPOSITE DECK TO REMAIN IN PLACE UNTIL CONCRETE HAS ACHIEVED 28-DAY STRENGTH.



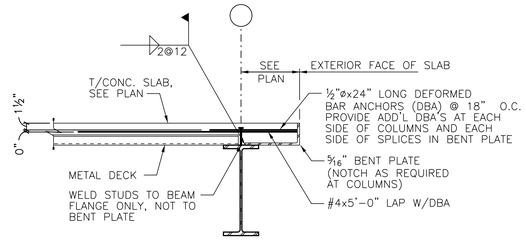
4 S 7.0.1 TYPICAL SECTION AT FLOOR EXPANSION JOINT

NOT TO SCALE



3 S 7.0.1 SLAB REINF. AT GIRDER

NOT TO SCALE



2 S 7.0.1 TYPICAL EXTERIOR SLAB EDGE

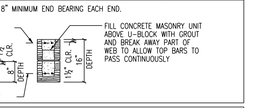
NOT TO SCALE

STEEL LINTEL SCHEDULE	
SPAN	FOR EACH 4" OF WALL THICKNESS
UP TO 2'-0"	1 – ℓ 3½x3½ (FLAT)
2'-1" TO 5'-0"	1 – L3½x3½x5/16
5'-1" TO 6'-0"	1 – L4x3½x5/16 (L.L.V.)
6'-1" TO 7'-0"	1 – L5x3½x5/16 (L.L.V.)
7'-1" TO 8'-0"	1 – L5x3½x⅜ (L.L.V.)
8'-1" TO 9'-0"	1 – L6x3½x⅜ (L.L.V.)

NOTES:
1. END BEARING AT EACH OF STEEL LINTELS SHALL BE ONE INCH PER FOOT OF SPAN, BUT NOT LESS THAN 8" ON FULLY GROUTED CMU CELLS REINF. W/ 1 #5.
2. ALL ANGLES IN EXTERIOR WALLS SHALL BE GALVANIZED.

CONCRETE MASONRY LINTEL SCHEDULE				
SPAN	DEPTH	REINFORCEMENT		
		6" WALL	8" WALL	12" WALL
UP TO 4'-0"	8"	1 #5 TOP & BOT.	2 #4 TOP & BOT.	2 #5 TOP & BOT.
4'-1" TO 5'-0"	8"	1 #6 TOP & BOT.	2 #5 TOP & BOT.	2 #6 TOP & BOT.
5'-1" TO 8'-0"	16"	1 #6 TOP & BOT.	2 #5 TOP & BOT.	2 #6 TOP & BOT.
8'-1" TO 10'-0"	16"	1 #7 TOP & BOT.	2 #8 TOP & BOT.	2 #7 TOP & BOT.
10'-1" TO 12'-0"	16"	NOT USED	2 #8 TOP & BOT.	NOT USED
12'-1" TO 14'-7"	16"	NOT USED	2 #8 TOP & BOT.	NOT USED

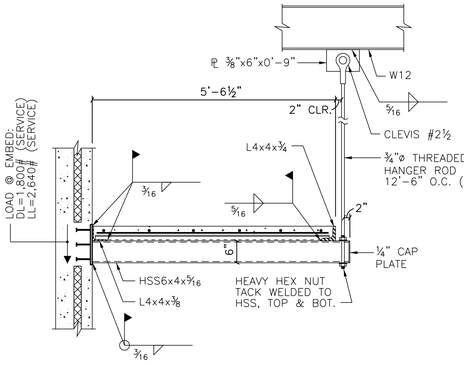
NOTE: PROVIDE 8" MINIMUM END BEARING EACH END.



CONCRETE LINTEL SCHEDULE				
SPAN	DEPTH	REINFORCEMENT		
		6" WALL	8" WALL	12" WALL
UP TO 4'-0"	16"	NOT USED	2 #5 TOP & BOT.	2 #5 TOP & BOT.
4'-1" TO 5'-0"	16"	NOT USED	2 #5 TOP & BOT.	2 #6 TOP & BOT.
5'-1" TO 8'-0"	16"	NOT USED	2 #5 TOP & BOT.	2 #6 TOP & BOT.
8'-1" TO 10'-0"	16"	NOT USED	2 #8 TOP & BOT.	2 #7 TOP & BOT.
10'-1" TO 12'-0"	16"	NOT USED	2 #8 TOP & BOT.	2 #8 TOP & BOT.
12'-1" TO 16'-0"	16"	NOT USED	2 #8 TOP & BOT.	2 #8 TOP & BOT.

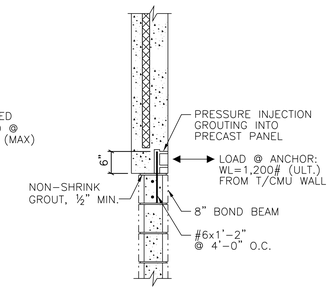
NOTE: PROVIDE 8" MINIMUM END BEARING EACH END.

1 S 7.0.1 LINTEL SCHEDULE



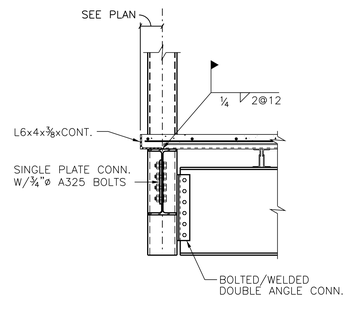
10 S 7.0.1 INTERIOR WALKWAY DETAIL

SCALE: 3/4"=1'-0"



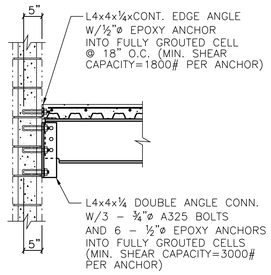
9 S 7.0.1 AIRSIDE CMU WALL SUPPORT

SCALE: 3/4"=1'-0"



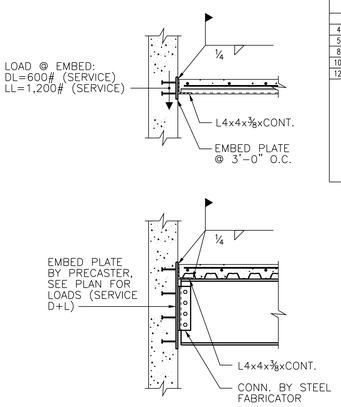
8 S 7.0.1 CONNECTION @ HANGER

SCALE: 3/4"=1'-0"



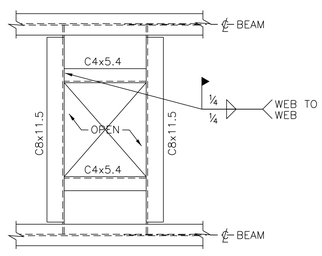
7 S 7.0.1 SLAB AND BEAM CONNECTION TO CMU

SCALE: 3/4"=1'-0"



6 S 7.0.1 CONNECTION TO PRECAST DETAIL

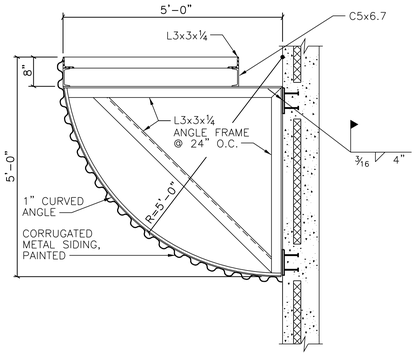
SCALE: 3/4"=1'-0"



NOTES:
1. MIN. SIZE OPENING = 18"x18" MAX. SIZE OPENING = 60"x60"
2. COORDINATE SIZE AND LOCATIONS WITH OTHER DISCIPLINE DRAWINGS.
3. SEE 5/S 7.0.1 FOR SMALLER PENETRATIONS.

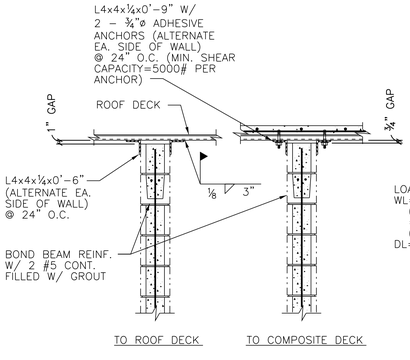
15 S 7.0.1 TYP. SUPPORT FRAMING AT OPENING IN COMPOSITE DECK

NOT TO SCALE



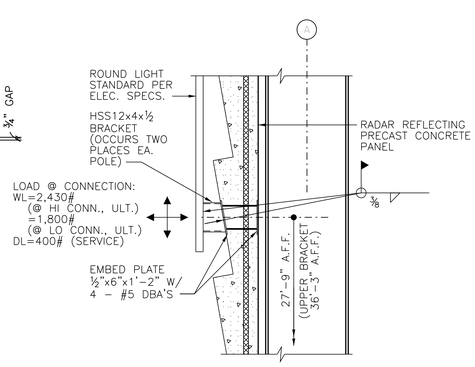
14 S 7.0.1 EXTERIOR CANOPY DETAIL

SCALE: 3/4"=1'-0"



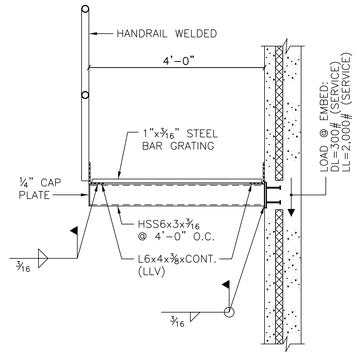
13 S 7.0.1 SECTION - LATERAL SUPPORT FOR CMU WALLS

SCALE: 3/4"=1'-0"



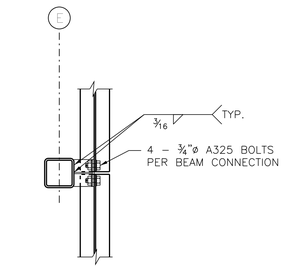
12 S 7.0.1 AIRSIDE LIGHT POLE CONNECTION

SCALE: 1/2"=1'-0"



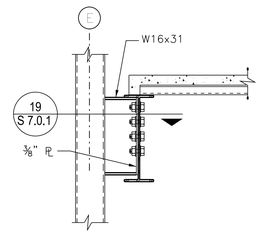
11 S 7.0.1 EXTERIOR CATWALK DETAIL

SCALE: 3/4"=1'-0"



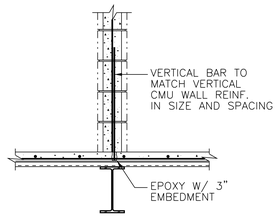
19 S 7.0.1 CONNECTION SECTION

SCALE: 1"=1'-0"



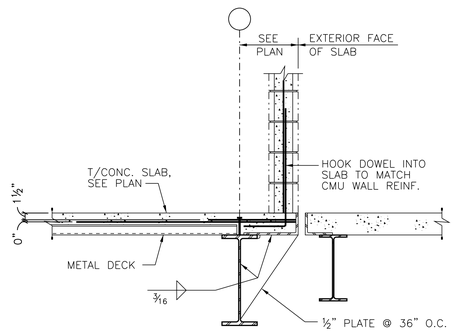
18 S 7.0.1 CONNECTION AT FRONT ENTRY COLUMN

SCALE: 1"=1'-0"



17 S 7.0.1 CMU ON ELEVATED SLAB

SCALE: 3/4"=1'-0"



16 S 7.0.1 TYPICAL EXTERIOR SLAB EDGE

NOT TO SCALE

NOTE:

1. SEE 2/S 7.0.1 FOR ADD'L INFO.

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX:3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3001 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

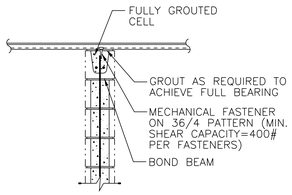
NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

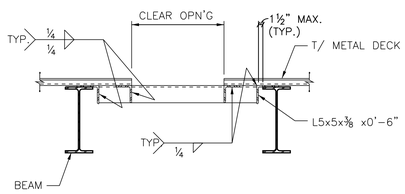
STRUCTURAL - SECTIONS AND DETAILS

WBS NUMBER: D.07.55.009	DRAWN BY: CS
FC NUMBER: FC-6006007929-A	DESIGNED BY: MR
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: BP
	APPROVED BY: BP
	DATE: 11/25/2014
	SCALE: AS NOTED
SEAL	SHEET NO: S 7.0.1

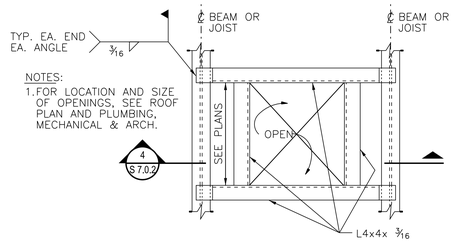
NOT RELEASED FOR CONSTRUCTION



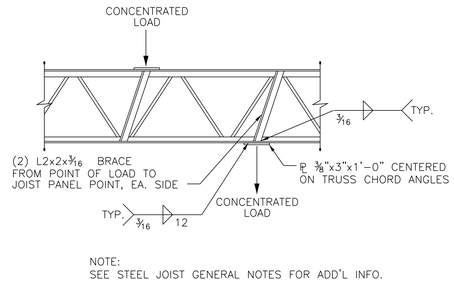
5 / S 7.0.2 **SECTION AT ROOF**
NOT TO SCALE



4 / S 7.0.2 **SECTION**
NOT TO SCALE

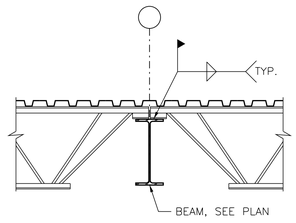


3 / S 7.0.2 **TYP. SUPPORT FRAMING AT ROOF OPENINGS**
NOT TO SCALE

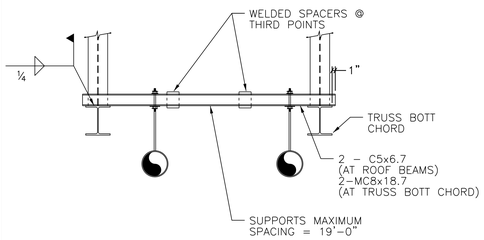


NOTE:
SEE STEEL JOIST GENERAL NOTES FOR ADD'L INFO.

2 / S 7.0.2 **TYPICAL JOIST DETAIL AT POINT OF CONCENTRATED LOADS**
NOT TO SCALE

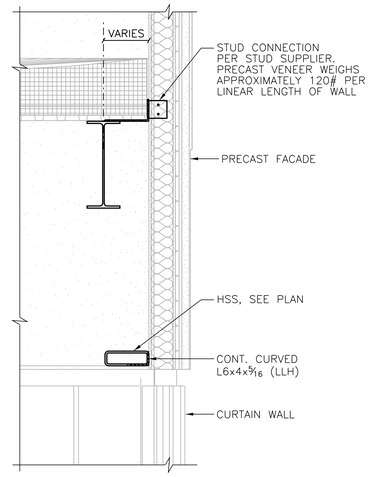


1 / S 7.0.2 **TYPICAL JOIST SUPPORT DETAIL**
NOT TO SCALE

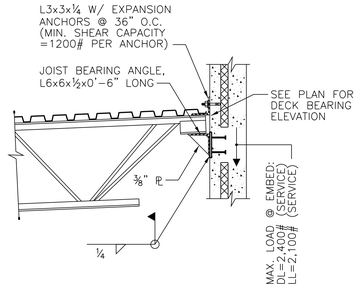


NOTE:
COORDINATE EXTENT OF FRAMES W/ SPRINKLER AND PLUMBING CONTRACTORS.

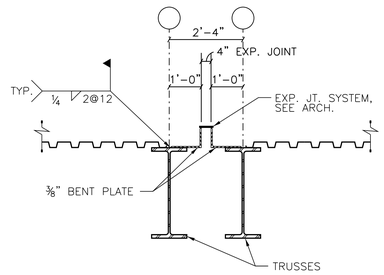
10 / S 7.0.2 **PIPE SUPPORT DETAIL**
NOT TO SCALE



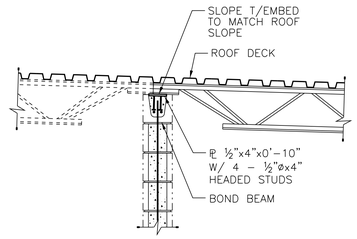
9 / S 7.0.2 **EXTERIOR WALL BRACING @ CUSTOMER SERVICE**



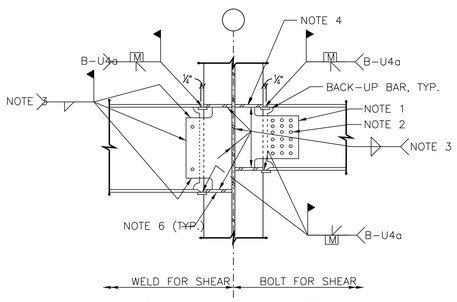
8 / S 7.0.2 **DETAIL**
SCALE: 3/4"=1'-0"



7 / S 7.0.2 **TYPICAL SECTION AT ROOF EXPANSION JOINT**
NOT TO SCALE



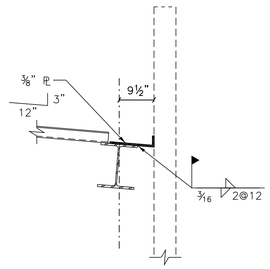
6 / S 7.0.2 **SECTION - TYPICAL AT ROOF JOIST**
NOT TO SCALE



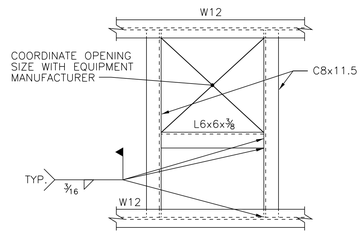
BEAM-TO-COLUMN WEB

14 / S 7.0.2 **TYP. BEAM-TO-COLUMN MOMENT CONNECTION**
NOT TO SCALE

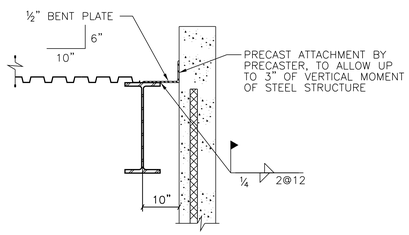
NOTES:
1. SHEAR PLATE ONE SIDE ONLY, SIZE AS REQUIRED. OFFSET PLATE SO ℄ OF BEAM AND ℄ OF COLUMN COINCIDE, UNLESS NOTED OTHERWISE.
2. A325 TYPE BOLTS, SIZE AND QUANTITY AS REQUIRED TO TRANSFER SHEAR. CONNECTION SHALL BE SLIP-CRITICAL TYPE WITH ALL BOLTS FULLY TENSIONED. CONTACT SURFACE OF BOLTED PARTS SHALL BE CLASS A. SHORT SLOTTED HOLES ARE PERMITTED IN SHEAR PLATE ONLY. BEAMS NOT REQUIRING ALL ROWS TO BE COMPLETELY FILLED SHALL HAVE BOLTS OMITTED AT GAGE MOST DISTANT FROM COLUMN FACE. ALL OPEN HOLES SHALL BE FILLED WITH BOLTS.
3. SIZE WELD TO TRANSFER SHEAR INCLUDING EFFECT OF ECCENTRICITY.
4. PROVIDE STIFFENER PLATES AS REQUIRED TO FULLY DEVELOP CAPACITY OF BEAM FLANGES.
5. WHERE "A" IS 3" OR LESS, PROVIDE A SINGLE STIFFENER PLATE.
6. STIFFNER PLATE THICKNESS SHALL BE INCREASED 1/2" OVER MATCHING BEAM FLANGE TO ACCOMODATE MILL VARIATIONS IN BEAM DEPTH AND OUT-OF-SQUARE. PLATE SHALL BE SAME GRADE OF STEEL AS BEAM.



13 / S 7.0.2 **LANDSIDE ROOF EDGE DETAIL**
SCALE: 3/4"=1'-0"



12 / S 7.0.2 **ROOF FAN SUPPORT FRAMING**
NOT TO SCALE



11 / S 7.0.2 **DETAIL**
SCALE: 3/4"=1'-0"

CITY OF ATLANTA, GEORGIA
Hartsfield-Jackson Atlanta International Airport

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3001 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

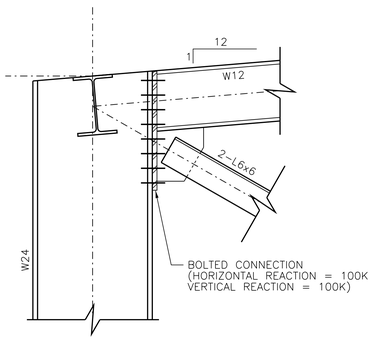
STRUCTURAL - SECTIONS AND DETAILS

WBS NUMBER: D.07.55.009	DRAWN BY: CS
FC NUMBER: FC-6006007929-A	DESIGNED BY: MR
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: BP
	APPROVED BY: BP
SEAL	DATE: 11/25/2014
	SCALE: AS NOTED
	SHEET NO: **S 7.0.2**

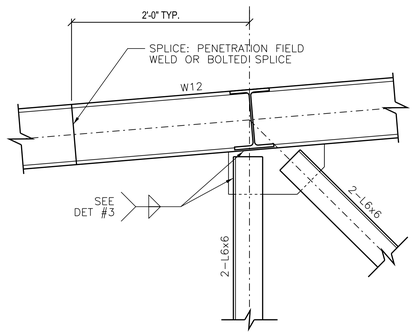
NOT RELEASED FOR CONSTRUCTION

SHEET NOTES:

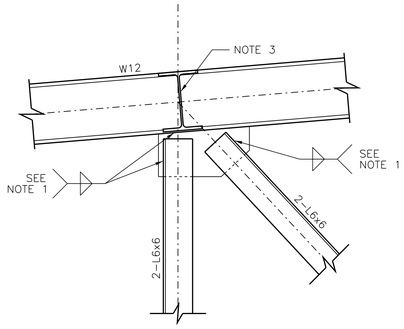
1. FILLET WELDS TYPICAL UNLESS NOTED OTHERWISE. FILLET WELDS SHALL DEVELOP THE FORCES SHOWN IN THE TRUSS DIAGRAM ON SHEET S3.1.2.
2. FIELD SPLICE AS LOCATED, SHALL BE COMPLETE PENETRATION FIELD WELD OR BOLTED SPLICE. BOLTED SPLICES SHALL BE DETAILED TO DEVELOP 125% OF THE FORCE INDICATED ON THE TRUSS DIAGRAM ON SHEET S3.1.2.
3. ALL ROOF BEAMS TO MATCH ROOF SLOPE CANTILVERS.
4. ALL REACTIONS ARE SERVICE LEVEL LOADS WITH ASD LOAD COMBINATIONS.



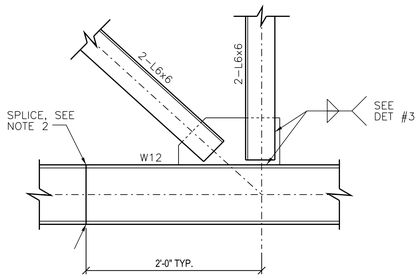
5 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



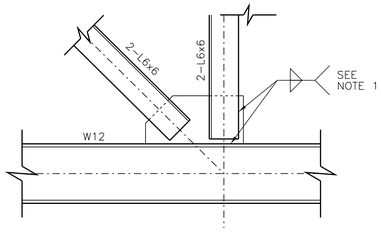
4 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



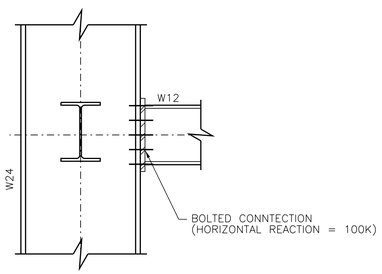
3 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



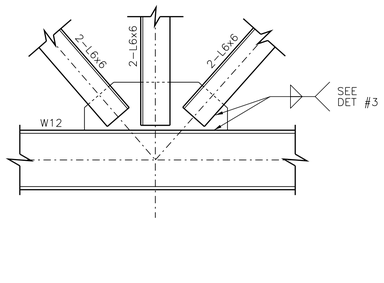
2 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



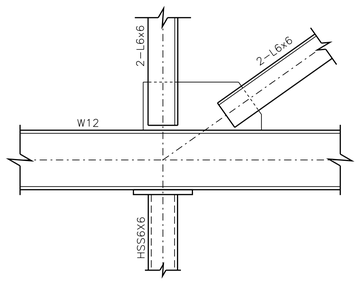
1 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



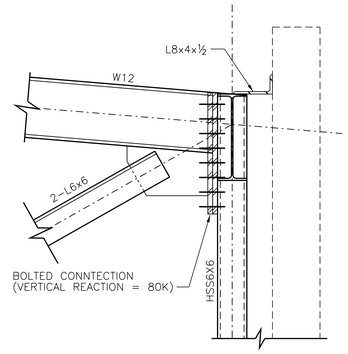
10 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



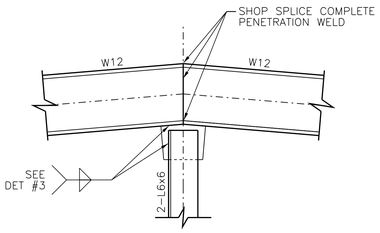
9 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



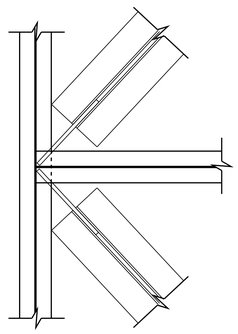
8 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



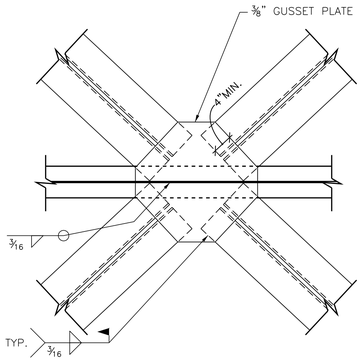
7 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



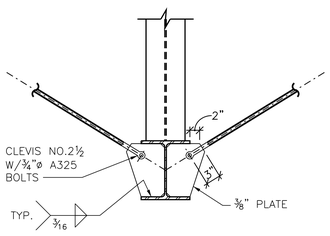
6 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



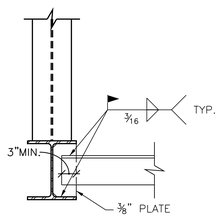
15 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



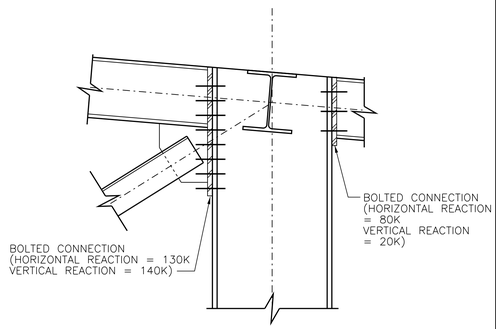
14 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



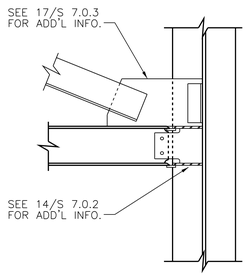
13 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



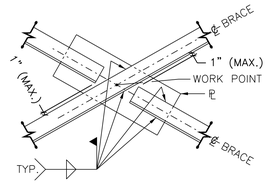
12 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



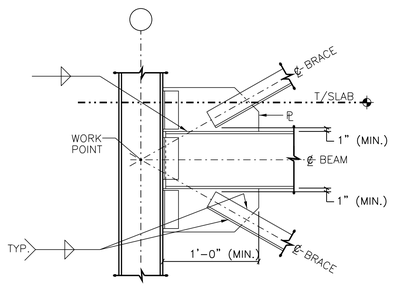
11 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



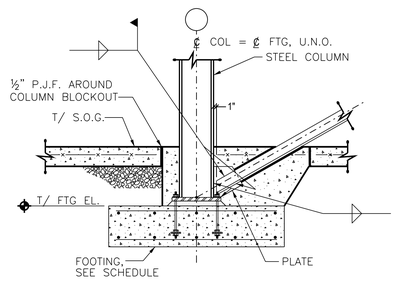
19 / S 7.0.3 **SECTION** SCALE: 1"=1'-0"



18 / S 7.0.3 **SECTION** NOT TO SCALE



17 / S 7.0.3 **SECTION** NOT TO SCALE



16 / S 7.0.3 **TYPICAL COLUMN FOOTING DETAIL AT BRACE LOCATIONS** NOT TO SCALE

CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport

HSST

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE:404.522.3601 FAX: 404.522.3823

STEVENS & WILKINSON, INC. 100 PEACHTREE STREET NW, SUITE 2500 ATLANTA, GA 30303 PHONE: 404.522.8888 FAX: 404.521.8204

SOUTHEASTERN ENGINEERING, INC. (SEI) 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936 FAX: 770.321.3935

AIR CARGO BUILDING C, 100% CONSTRUCTION DOCUMENTS ISSUED FOR BID, NOVEMBER 25, 2014

NO.	DATE	BY	REVISION

AIR CARGO BUILDING C

STRUCTURAL - TRUSS SECTIONS

WBS NUMBER: D.07.55.009	DRAWN BY: CS
FC NUMBER: FC-6006007929-A	DESIGNED BY: MR
A/E PROJECT NUMBER: HII-0730621	CHECKED BY: BP
	APPROVED BY: BP
	DATE: 11/25/2014
	SCALE: AS NOTED
SEAL	SHEET NO: **S 7.0.3**

NOT RELEASED FOR CONSTRUCTION